

Search result

Query

Search done on	12.11.2009 (16:41h)
Search ID	10-587,807
Database	Metallic compounds
Keyword 1	MARTENSITE
Composition (Dimension: weight-%, Limit for optional components: 0)	C:0-0.01*N:0-0.01*CR:10-14*NI:4-7*SI:0.05-1.0*MN:0.1-2.0*P:0-0.3*S:0-0.01*AL:0.001-0.1*CU:0-4*CO:0-4*MO:0-4*W:0-4*TI:0-0.15*NB:0-0.1*V:0-0.1*ZR:0-0.1*HF:0-0.2*TA:0-0.2*FE:BALANCE
Sorted according to	Date of priority descending

Compositions

Hits 146

1	<i>Deutsches Patent- und Markenamt DPMA</i>	<i>12.11.2009 (16:41h)</i>
Publication	EP1717328 A1	02.11.2006
Priority	JP2004024687	30.01.2004
Application	EP0112200404801614	
Applicant	JFE Steel Corp.	
Inventor	Miyata, Yukio; Kimura, Mitsuo; Itakura, N. und Miterfinder	
Title	Martensitic stainless steel tube	
Info	Bemessungsregel	
IPC	C22C038/00	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,01 * N : 0-0,01 * CR : 10-14 * NI : 3-8 * SI : (0)-1 * MN : (0)-2 * P : 0-0.03 * S : 0-0.01 * AL : 0-0,1 * CU : 0-4 * CO : 0-4 * MO : 0-4 * W : 0-4 * TI : 0-0,15 * NB : 0-0,1 * V : 0-0,1 * ZR : 0-0,1 * HF : 0-0,2 * TA : 0-0,2 * CA : 0-0,01 * MG : 0-0,01 * REM : 0-0,01 * B : 0-0,01 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	HEAT-TREATMENT	WÄRMEBEHANDLUNG

	MARTENSITE	MARTENSIT
	TENSILE-STRENGTH	ZUGFEST
	TOUGH	ZÄH
	USE	VERWENDUNG
	WELDABLE	SCHWEISSBAR
2	<i>Deutsches Patent- und Markenamt DPMA</i>	<i>12.11.2009 (16:41h)</i>
Publication	EP1661655 A1	31.05.2006
Priority	WOJP200311360	05.09.2003
Application	EP0509200303818578	
Applicant	Sumitomo Metal Industries, Ltd.	
Inventor	Amaya, Hisashi; Oagawa, Kazuhiro; Kondo, Kunio und Miterf.	
Title	Welded structure excellent in resistance to stress corrosion cracking	
Info		
IPC	B23K009/00	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0,001-0,05 * SI : 0,05-1 * MN : 0,05-2 * CR : 8-16 * NI : 0,1-9 * AL : 0,001-0,1 * MO : 0-7 + W : 0-7 * CU : 0-3 * TI : 0-0,5 + ZR : 0-0,5 + HF : 0-0,5 + V : 0-0,5 + NB : 0-0,5 * CA : 0-0,01 + MG : 0-0,01 + REM : 0-0,01 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	MARTENSITE	MARTENSIT
	STRESS-CORROSION-RESIST	SPANNUNGSKORROSIONSBEST
	USE	VERWENDUNG
	WELDABLE	SCHWEISSBAR
3	<i>Deutsches Patent- und Markenamt DPMA</i>	<i>12.11.2009 (16:41h)</i>
Publication	US20060174979 A1	10.08.2006
Priority	JP2003277682	22.07.2003
Application	US2001200633567606	
Applicant	Kondo, Kunio; Amaya, Hisashi	
Inventor	Kondo, Kunio; Amaya, Hisashi	
Title	Martensitic stainless steel	
Info		
IPC	C22C038/22	
Composition nr.	1	Composite component -

Composition	[weight-%]: C : 0,001-0,1 * SI : 0,05-1 * MN : 0,05-2 * P : 0-0,025 * S : 0-0,01 * CR : 11-18 * NI : 1,5-10 * AL : 0,001-0,1 * N : 0-0,1 * O : 0-0,01 * CU : 0-5 * MO : 3,5-7 * W : 0-5 * V : 0-0,5 * NB : 0-0,5 * TI : 0-0,5 * ZR : 0-0,5 * CA : 0-0,05 * MG : 0-0,05 * REM : 0-0,05 * B : 0-0,01 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	HIGH-TEMPER-STRENGTH	WARMFEST
	MARTENSITE	MARTENSIT
	STRESS-CORROSION-RESIST	SPANNUNGSKORROSIONSBEST
	TENSILE-STRENGTH	ZUGFEST
	USE	VERWENDUNG
4	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	EP1584699 A1	12.10.2005
Priority	JP2002369595	20.12.2002
Application	DE1812200303780915	
Applicant	Sumitomo Metal Industries, Ltd.	
Inventor	Takabe, Hideki; Ueda, Masakatsu	
Title	High-strength martensitic stainless steel with excellent resistances to carbon dioxide gas corrosion and sulfide stress corrosion cracking	
Info	Mo>=2,3-0,89.Si+32,2.C	
IPC	C22C038/00	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0,005-0,04 * SI : 0-0,5 * MN : 0,1-3 * P : 0-0,04 * S : 0-0,01 * CR : 10-15 * NI : 4-8 * MO : 2,8-5 * AL : 0,01-0,1 * N : 0-0,07 * CU : 0-1 * TI : 0-0,25 * V : 0-0,25 * NB : 0-0,25 * ZR : 0-0,25 * CA : 0-0,005 * MG : 0-0,005 * LA : 0-0,005 * CE : 0-0,005 * FE : REST	
Keywords	(english)	(german)
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	PRECIPITATION-HARDENING	AUSSCHIEDUNGSH
	STRESS-CORROSION-RESIST	SPANNUNGSKORROSIONSBEST
	TENSILE-STRENGTH	ZUGFEST
	USE	VERWENDUNG
5	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	JP2004091812 AA	25.03.2004
Priority	JP2002251543	29.08.2002
Application	JP290820022002251543	

Applicant	JFE Steel K.K.	
Inventor	Nakamichi, Jiro; Sato, Kaoru; Fukui, Toshihiko	
Title	Hot-rolled martensitic stainless steel strip excellent in manufacturability	
Info	Die Informationen stammen teilweise aus einer elektronischen Übersetzung der jp. Schrift	
IPC	C22C038/00	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,02 * SI : 0,1-0,3 * MN : 0,1-0,3 * CR : 11-15 * NI : 5-8 * MO : 1,5-3 * AL : 0-0,10 * N : 0-0,020 * P + S : 0-0,33 * FE : REST * TI : 0-0,1 + V : 0-0,1 * CU + W : 0-1 * CA : 0-0,005 + ZR : 0-0,005 + MG : 0-0,005	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	MARTENSITE	MARTENSIT
	PRODUCTION	HERSTELLUNG
	USE	VERWENDUNG
	WELDABLE	SCHWEISSBAR
6	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	EP1514950 A1	16.03.2005
Priority	JP2002178974	19.06.2002
Application	EP1806200303733478	
Applicant	JFE Steel Corporation	
Inventor	Kimura, Mitsuo; Tamari, Takanori; Toyooka, Takaaki	
Title	Stainless steel pipe for oil well and process for producing the same	
Info	Bemessungsregeln	
IPC	C22C038/00	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,05 * SI : 0-0,5 * MN : 0,2-1,8 * P : 0-0,03 * S : 0-0,005 * CR : 14-18 * NI : 5-8 * MO : 1,5-3,5 * CU : 0,5-3,5 * AL : 0-0,05 * V : 0-0,2 * N : 0,01-0,15 * O : 0-0,006 * NB : 0-0,2 + TI : 0-0,3 * ZR : 0-0,2 + B : 0-0,01 + W : 0-3 * CA : 0-0,01 * FE : REST	
Keywords	(english)	(german)
	AUSTENITE	AUSTENIT
	CORROSION-RESISTING	KORROSIONSBEST
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	PLASTIC	PLASTISCH
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
	USE	VERWENDUNG
	WELDABLE	SCHWEISSBAR

7	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	JP2003301242 AA	24.10.2003
Priority	JP2002109552	11.04.2002
Application	JP110420022002109552	
Applicant	JFE Steel K.K.	
Inventor	Yuga, Masao; Minami, Yusuke; Hayashi, Kenji und Miterfinder	
Title	High-Cr-Ni heat-resistant steel and process for manufacturing member for elevated temperature showing excellent creep resistance	
Info		
IPC	C22C038/00	
Composition nr.	1	Composite component -
Composition	[weight-%]: CR : 7-15 * NI : 3-8 * C : 0,001-0,1 * SI : 0,01-0,4 * MN : 0-1,5 * S : 0-0,015 * CU : 0-5 * MO : 0-2,5 * W : 0-5 * AL : 0,003-0,04 * N : 0,005-0,1 * NB : 0-0,1 + V : 0-0,5 + TI : 0-0,2 + B : 0-0,005 * FE : REST	
Keywords	(english)	(german)
	AUSTENITE	AUSTENIT
	CREEP-RESIST/STABILITY	STANDFEST
	HEAT-RESISTANT	HITZEBEST
	MARTENSITE	MARTENSIT
	PRODUCTION	HERSTELLUNG
8	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	JP2003268449 AA	25.09.2003
Priority	JP2002068375	13.03.2002
Application	JP130320022002068375	
Applicant	JFE Steel K.K.	
Inventor	Nakamichi, Jiro; Sato, Kaoru; Fukui, Toshihiko	
Title	Process for manufacturing martensitic stainless steel strip	
Info		
IPC	C22C038/00	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0,006-0,03 * CR : 11-15 * NI : 1-7 * N : 0,006-0,03 * AL : 0-0,06 * CU + MO + CA + TI : (0)-4,44 * MN + SI : 0-2,22 * S + P : 0-0,333 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT

	PRODUCTION	HERSTELLUNG
9	<i>Deutsches Patent- und Markenamt DPMA</i>	<i>12.11.2009 (16:41h)</i>
Publication	JP2003268505 AA	25.09.2003
Priority	JP2002068374	13.03.2002
Application	JP130320022002068374	
Applicant	JFE Steel K.K.	
Inventor	Nakamichi, Jiro; Sato, Kaoru; Fukui, Toshihiko	
Title	Low yield ratio martensitic stainless steel strip having excellent toughness and weldability, and production method thereof	
Info		
IPC	C22C038/00	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,02 * SI : 0,1-0,3 * MN : 0,1-0,3 * CR : 11-15 * NI : 1-5 * AL : 0,04-0,08 * N : 0-0,03 * TI : 0-0,1 * V : 0-0,1 * P + S : 0-0,333 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	PRODUCTION	HERSTELLUNG
	TOUGH	ZÄH
	WELDABLE	SCHWEISSBAR
10	<i>Deutsches Patent- und Markenamt DPMA</i>	<i>12.11.2009 (16:41h)</i>
Publication	JP2003193203 AA	09.07.2003
Priority	JP2001396953	27.12.2001
Application	JP271220012001396953	
Applicant	Sumitomo Metal Ind. Ltd.	
Inventor	Nakaike, Hirotsugu; Takabe, Hideki; Kondo, Kunio	
Title	Method of producing martensitic stainless steel tube	
Info		
IPC	C22C038/00	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0,01-0,1 * SI : 0,05-1 * MN : 0,05-1 * CR : 9-15 * NI : 0,1-7 * CU : 0-5 * MO : 0,05-5 * AL : 0,0005-0,05 * N : 0-0,1 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MACHINEABLE	ZERSPANBAR

	MARTENSITE	MARTENSIT
	TENSILE-STRENGTH	ZUGFEST
	TOUGH	ZÄH
	USE	VERWENDUNG
11	<i>Deutsches Patent- und Markenamt DPMA</i>	<i>12.11.2009 (16:41h)</i>
Publication	EP1323841 A1	02.07.2003
Priority	JP2001394433	26.12.2001
Application	EP1112200202027642	
Applicant	Kawasaki Steel Corp.	
Inventor	Hirasawa, Junichiro; Ujiro, Takumi; Furukimi, Osamu	
Title	Martensitic stainless steel sheet and method for making the same	
Info		
IPC	C22C038/44	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,02 * SI : 0-1 * MN : 0-1,5 * P : 0-0,04 * S : 0-0,01 * AL : 0-0,1 * NI : 1,5-4 * CR : 11-15 * MO : 0,5-2 * N : 0-0,02 * CU : 0-2 + CO : 0-2 * FE : REST * TI : 0-0,2 + NB : 0-0,2 + V : 0-0,2 + ZR : 0-0,2 + TA : 0-0,2 * B : 0-0,005 + CA : 0-0,005 * W : 0-0,1 + MG : 0-0,01	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	MARTENSITE	MARTENSIT
	PLASTIC	PLASTISCH
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
	TOUGH	ZÄH
12	<i>Deutsches Patent- und Markenamt DPMA</i>	<i>12.11.2009 (16:41h)</i>
Publication	WO2003035921 A1	01.05.2003
Priority	JP2001322548	19.10.2001
Application	WO04102002JP200210394	
Applicant	Sumitomo metal industries Ltd.	
Inventor	Yoshizawa, Misuru; Kondo, Kunio; Igarashi, Masaaki und Miterfinder	
Title	Martensitic stainless steel and method for manufacturing same	
Info		
IPC	C22C038/18	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0,01-0,1 * CR : 9-15 * SI : 0,05-1 * MN : 0,05-1,5 * P : 0-0,03 * S : 0-0,01 * NI : 0,1-7 * AL : 0-0,05 * N : 0-0,1 * CU : 0-4 * MO : 0-3 * TI : 0-0,5 * V : 0-0,5 * NB : 0-0,5 * B : 0-	

	0,005 * CA : 0-0,005 * MG : 0-0,005 * REM : 0-0,005 * FE : REST	
Keywords	(english)	(german)
	AUSTENITE	AUSTENIT
	CORROSION-RESISTING	KORROSIONSBEST
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
	TOUGH	ZÄH
	USE	VERWENDUNG
13	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	WO2003033754 A1	24.04.2003
Priority	JP2001320372	18.10.2001
Application	WO04102002JP200210395	
Applicant	Sumitomo Metal Industries, Ltd.	
Inventor	Amaya, Hisashi; Kondo, Kunio; Ueda, Masakatsu und Miterfinder	
Title	Martensitic stainless steel	
Info	Bedingung gilt: 0,2% <=MO+CU/4<=5%	
IPC	C22C038/00	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0,01-0,1 * SI : 0,05-1 * MN : 0,05-1,5 * P : 0-0,03 * S : 0-0,01 * CR : 9-15 * NI : 0,1-4,5 * AL : 0-0,05 * N : 0-0,1 * CU : 0,05-5 + MO : 0,05-5 * TI : 0-0,5 * V : 0-0,5 * NB : 0-0,5 * B : 0-0,005 * CA : 0-0,005 * MG : 0-0,005 * REM : 0-0,005 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	HARD	HART
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
	USE	VERWENDUNG
14	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	EP1288316 A1	05.03.2003
Priority	JP2001259889	29.08.2001
Application	EP2208200202018269	
Applicant	Kawasaki Steel Corporation	
Inventor	Miyata, Yukio; Kimura, Mitsuo; Toyooka, Takaaki	

Title	Method for making high-strength high-toughness martensitic stainless steel seamless pipe	
Info		
IPC	C21D008/10	
Composition nr.	1	Composite component -
Composition	{weight-%}: C : 0,005-0,3 * SI : 0,1-1 * MN : 0,05-2,00 * P : 0-0,03 * S : 0-0,005 * CR : 10-15 * AL : 0,001-0,05 * N : 0-3,33 * NI : 0-7 * MO : 0-3 * CU : 0-3 * NB : 0-0,2 * V : 0-0,2 * TI : 0-0,3 * ZR : 0-0,2 * B : 0-0,01 * CA : 0-0,01 * REM : 0-0,01 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
	TOUGH	ZÄH
15	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	WO2002101112 A2	19.12.2002
Priority	JP2001170857	06.06.2001
Application	WO06062002IP200205627	
Applicant	Nippon Steel Corp.; Fujita, Nobuhiro; Azuma, Masafumi; Takahashi, Manabu und Mitanmelder	
Inventor	Fujita, Nobuhiro; Azuma, Masafumi; Takahashi, Manabu und Miterfinder	
Title	High-strength hot-dip galvanized steel sheet and hot-dip galvanized steel sheet having fatigue resistance, corrosion resistance, ductility and plating adhesion, after severe deformation, and a method of producing the same	
Info		
IPC	C23C002/02	
Composition nr.	1	Composite component b
Composition	Composite material [%]: PLATTIERUNG * KERN Component a [weight-%]: AL : 0,001-4 * FE : (0)-20 * MN : 0-3 * MO : 0-1 * CA + MG + SI + W + ZR + CS + RB + K + AG + NA + CD + CU + NI + CO + LA + TL + ND + Y + IN + BE + CR + PB + HF + TC + TI + GE + TA + V + B : 0-33,33 * ZN : REST Component b [weight-%]: C : 0,0001-0,3 * SI : 0,001-0,1 * MN : 0,01-3 * AL : 0,001-4 * MO : 0,001-1 * P : 0,0001-0,3 * S : 0,0001-0,1 * CR : 0-25 * NI : 0-10 * N : 0-0,333 * CU : 0-5 * CO : 0-5 * W : 0-5 * NB + TI + V + ZR + HF + TA : 0-1 * B : 0-0,1 * REM + CA + MG + CE : 0-1 * FE : REST	
Keywords	(english)	(german)
	AUSTENITE	AUSTENIT
	BAINITE	BAINIT
	CLADDING-MATERIAL	PLATTIERW
	CORROSION-RESISTING	KORROSIONSBEST
	FATIGUE-RESISTING	SCHWINGFEST

	FERRITE	FERRIT
	FINE-GRAINED	FEINKÖRNIG
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	PRODUCTION	HERSTELLUNG
	SURFACE	OBERFLÄCHE
	TENSILE-STRENGTH	ZUGFEST
	TOUGH	ZÄH
	USE	VERWENDUNG
16	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	WO2002101112 A2	19.12.2002
Priority	JP2001170857	06.06.2001
Application	WO06062002JP200205627	
Applicant	Nippon Steel Corp.; Fujita, Nobuhiro; Azuma, Masafumi; Takahashi, Manabu und Mitanmelder	
Inventor	Fujita, Nobuhiro; Azuma, Masafumi; Takahashi, Manabu und Miterfinder	
Title	High-strength hot-dip galvanized steel sheet and hot-dip galvanized steel sheet having fatigue resistance, corrosion resistance, ductility and plating adhesion, after severe deformation, and a method of producing the same	
Info		
IPC	C23C002/02	
Composition nr.	2	Composite component b
Composition	Composite material [%]: PLATTIERUNG * KERN Component a [weight-%]: AL : 0,001-0,5 * MN : 0,001-2 * CA + MG + SI + W + ZR + CS + RB + K + MO + AG + NA + CD + CU + NI + CO + LA + TL + ND + Y + IN + BE + CR + PB + HF + TC + TI + GE + TA + V + B : 0-33,33 * ZN : REST Component b [weight-%]: C : 0,0001-0,3 * SI : 0,01-2,5 * MN : 0,01-3 * AL : 0,001-4 * N + P + S : 0-0,333 * CR : 0-25 * NI : 0-10 * CU : 0-5 * CO : 0-5 * W : 0-5 * B : 0-0,1 * REM + CA + MG + CE : 0-1 * NB + TI + V + ZR + HF + TA : 0-1 * FE : REST	
Keywords	(english)	(german)
	AUSTENITE	AUSTENIT
	BAINITE	BAINIT
	CLADDING-MATERIAL	PLATTIERW
	CORROSION-RESISTING	KORROSIONSBEST
	FATIGUE-RESISTING	SCHWINGFEST
	FERRITE	FERRIT
	FINE-GRAINED	FEINKÖRNIG
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	PRODUCTION	HERSTELLUNG
	SURFACE	OBERFLÄCHE
	TENSILE-STRENGTH	ZUGFEST

	TOUGH	ZÄH
	USE	VERWENDUNG
17	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	EP1403391 A1	31.03.2004
Priority	JP2001167046	01.06.2001
Application	EP3105200202728217	
Applicant	Sumitomo Metal Industries, Ltd.	
Inventor	Kondo, Kunio; Kushida, Takahiro; Komizo, Yuchi und Miterfinder	
Title	Martensitic stainless steel	
Info		
IPC	C22C038/00	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0,01-0,1 * SI : 0-1 * MN : 0-1,5 * P : 0-0,03 * S : 0-0,01 * CR : 9-15 * NI : 0-7 * AL : 0-0,05 * N : 0-0,1 * MO : 0-5 * CU : 0-3 * TI : 0-0,5 * V : 0-0,5 * NB : 0-0,5 * B : 0-0,005 * CA : 0-0,005 * MG : 0-0,005 * REM : 0-0,005 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	MARTENSITE	MARTENSIT
	PRECIPITATION-HARDENING	AUSSCHIEDUNGSH
	TENSILE-STRENGTH	ZUGFEST
	TOUGH	ZÄH
	USE	VERWENDUNG
18	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	WO2002099150 A1	12.12.2002
Priority	JP2001167046	01.06.2001
Application	WO31052002JP200205399	
Applicant	SUMITOMO METAL INDUSTRIES LTD.	
Inventor	KONDO, KUNIO; KUSHIDA, TAKAHIRO; KOMIZO, YUICHI UND MITERFINDER	
Title	MARTENSITIC STAINLESS STEEL	
Info		
IPC	C22C03800	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0,01-0,1 * CR : 9-15 * N : 0-0,1 * SI : 0-1 * MN : 0-1,5 * P : 0-0,03 * S : 0-0,01 * NI : 0-7 * AL : 0-0,05 * TI : 0-0,5 * V : 0-0,5 * NB : 0-0,5 * B : 0-0,005 * CA : 0-0,005 * MG : 0-0,005 * FE : REST	
Keywords	(english)	(german)

	CORROSION-RESISTING	KORROSIONSBEST
	MARTENSITE	MARTENSIT
	TENSILE-STRENGTH	ZUGFEST
	TOUGH	ZÄH
19	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	JP2002339044 AA	27.11.2002
Priority	JP2001144832	15.05.2001
Application	JP150520012001144832	
Applicant	NKK Corp.	
Inventor	Sato, Kaoru; Nakamichi, Jiro; Minami, Yusuke und Miterf.	
Title	High strength martensite stainless steel strip and production method therefore	
Info	Der Gehalt an N wird auf ungefähr gleich 60 ppm eingestellt	
IPC	C22C038/00	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,02 * SI : 0,1-0,3 * MN : 0,1-0,3 * CR : 11-15 * NI : 1-7 * AL : 0-0,06 * N : 0,008-0,03 * S : 0-0,002 * NB + V + TI + CA + ZR + MG + CU + MO : (0)-4,44 * P : 0-0,333 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
	USE	VERWENDUNG
20	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	JP2002317251 AA	31.10.2002
Priority	JP2001120851	19.04.2001
Application	JP190420012001120851	
Applicant	Nisshin Steel Co., Ltd.	
Inventor	Tomimura, Hiroki; Isozaki, Seiichi; Hiramatsu, Naoto	
Title	High strength martensitic stainless steel for metal gasket having excellent high temperature setting resistance	
Info	Bedingung gilt: 580-520C-2Si-16Mn-16Cr-23Ni-26Cu-300N-10Mo ungefähr gleich 125; 750-30Ni-25Mn-18Cu-50C-30N ungefähr gleich 530	
IPC	C22C038/00	
Composition nr.	1	Composite component -
	[weight-%]: C : 0-0,15 * SI : 0-2 * MN : 0-2 * P : 0-0,06 * S : 0-0,02 * NI : 2-6 * CR : 12-20 *	

Composition	MO : 0-2 * N : 0-0,1 * CU : 0-3 * NB : 0-0,5 * TI : 0-0,5 * AL : 0-0,2 * B : 0-0,015 * REM : 0-0,2 * Y : 0-0,2 * CA : 0-0,1 * MG : 0-0,1 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	HEAT-RESISTANT	HITZEBEST
	MARTENSITE	MARTENSIT
	TENSILE-STRENGTH	ZUGFEST
	USE	VERWENDUNG
21	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	JP2002241902 AA	28.08.2002
Priority	JP2001033607	09.02.2001
Application	JP090220012001033607	
Applicant	Sumitomo Metal Ind. Ltd.	
Inventor	Amaya Takashi; Kondo, Kunio; Nakamura, Keiichi	
Title	High strength martensitic stainless steel and production method therefor	
Info		
IPC	C22C038/00	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,08 * SI : 0-1 * MN : 0,1-2 * CR : 7-15 * NI : 0,5-7 * NB : 0,005-0,5 * AL : 0,001-0,1 * N : 0,001-0,05 * P : 0-0,04 * S : 0-0,005 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	MARTENSITE	MARTENSIT
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
22	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	JP2002226947 AA	14.08.2002
Priority	JP2001023668	31.01.2001
Application	JP310120012001023668	
Applicant	Sumitomo Metal Ind. Ltd.	
Inventor	Ogawa, Kazuhiro; Amaya, Takashi	
Title	Martensitic stainless steel welded joint having excellent strain aging resistance	
Info		
IPC	C22C038/00	
Composition nr.	1	Composite component -
	[weight-%]: C : 0-0,02 * SI : 0-1 * MN : 0-1,5 * CR : 7-14 * NI : 0,5-9 * TI : 0-0,3 * P : 0-0,03 *	

Composition	S : 0-0,01 * AL : 0-0,1 * N : 0-0,07 * FE : REST	
Keywords	(english)	(german)
	AUSTENITE	AUSTENIT
	CORROSION-RESISTING	KORROSIONSBEST
	FILLER-MATERIAL	SCHWEISSZUSATZW
	HARD	HART
	MARTENSITE	MARTENSIT
	WELDABLE	SCHWEISSBAR
23	<i>Deutsches Patent- und Markenamt DPMA</i>	12.11.2009 (16:41h)
Publication	JP2002212684 AA	31.07.2002
Priority	JP2001014700	23.01.2001
Application	JP230120012001014700	
Applicant	Sumitomo Metal Ind. Ltd.	
Inventor	Kondo, Kunio; Amaya, Takashi	
Title	Martensitic stainless steel having high temperature strength	
Info		
IPC	C22C038/00	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0,001-0,04 * SI : 0,05-1 * MN : 0,05-1,5 * P : 0-0,03 * S : 0-0,01 * CR : 10-14 * NI : 1,5-8 * AL : 0,0005-0,05 * N : 0,001-0,07 * MO + CU : 0-0,555 * TI + V + NB + ZR : 0-0,222 * CA + MG + REM + B : 0-0,0222 * FE : REST	
Keywords	(english)	(german)
	AUSTENITE	AUSTENIT
	CORROSION-RESISTING	KORROSIONSBEST
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	HIGH-TEMPER-STRENGTH	WARMFEST
	MARTENSITE	MARTENSIT
24	<i>Deutsches Patent- und Markenamt DPMA</i>	12.11.2009 (16:41h)
Publication	JP2002206147 AA	26.07.2002
Priority	JP2001000970	09.01.2001
Application	JP090120012001000970	
Applicant	Hitachi Metals Ltd.	
Inventor	Fujita, Etsuo; Uehara, Toshihiro	
Title	Precipitation hardening martensitic stainless steel having excellent cold workability and high fatigue strength and production method therefor	
Info	C*N<0,1*MO+1/2W:0-5	
IPC	C22C038/00	

Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,08 * N : 0-0,08 * SI : 1-4 * MN : 0-5 * NI : 3-14 * CR : 3-14 * MO + W : 0,5-5 * CU : 0-5 * AL : 0-0,3 * O : 0-0,005 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	FATIGUE-RESISTING	SCHWINGFEST
	MARTENSITE	MARTENSIT
	PLASTIC	PLASTISCH
	PRECIPITATION-HARDENING	AUSSCHIEDUNGSH
	PRODUCTION	HERSTELLUNG
25	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	EP1215298 A	19.06.2002
Priority	JP368534	04.12.2000
Application	EP3108200101121028	
Applicant	NISSHIN STEEL CO., LTD.	
Inventor	HIRAMATSU, NAOTO/ TOMIMURA, KOUKI/ FUJIMOTO, HIROSHI UND MITERFINDER	
Title	A HIGH-STRENGTH AUSTENITIC STAINLESS STEEL STRIP EXCELLENT IN FLATNESS OF SHAPE AND ITS MANUFACTURING METHOD	
Info		
IPC	C22C03842	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,2 * SI : 0-4 * MN : 0-5 * NI : 4-12 * CR : 12-20 * MO : 0-5 * N : 0-0,15 * FE : REST * CU : 0-3 + TI : 0-0,5 + NB : 0-0,5 + AL : 0-0,2 + B : 0-0,015 + REM : 0-0,2 + Y : 0-0,2 + CA : 0-0,1 + MG : 0-0,1	
Keywords	(english)	(german)
	AUSTENITE	AUSTENIT
	CORROSION-RESISTING	KORROSIONSBEST
	HARD	HART
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	PLASTIC	PLASTISCH
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
26	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	JP2002129291 AA	09.05.2002
Priority	JP2000329984	30.10.2000
Application	JP301020002000329984	

Applicant	Nippon Steel Corp.	
Inventor	Sakamoto, Toshiharu	
Title	Martensitic stainless steel welding structural body having excellent fire resistance	
Info	BEMESSUNGSREGELN	
IPC	C22C038/00	
Composition nr.	1	Composite component -
Composition	{weight-%}: C : 0,005-0,1 * SI : 0-0,5 * MN : 0-1,5 * P : 0-0,03 * S : 0-0,005 * CR : 10-15 * NI : 0,5-6 * MO : 0,3-3 * N : 0-0,03 * AL : 0-0,15 * TI : 0,003-0,05 * FE : REST	
Keywords	(english)	(german)
	HEAT-RESISTANT	HITZEBEST
	MARTENSITE	MARTENSIT
	USE	VERWENDUNG
	WELDABLE	SCHWEISSBAR
27	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	JP2002105602 AA	10.04.2002
Priority	JP2000305154	04.10.2000
Application	JP041020002000305154	
Applicant	NKK CORP.	
Inventor	NAKAMICHI, JIRO; SATO, KAORU; MINAMI, YUSUKE UND MITERFINDER	
Title	MARTENSITIC STAINLESS STEEL	
Info	AL.N <=6.10-4	
IPC	C22C03800	
Composition nr.	1	Composite component -
Composition	{weight-%}: C : 0-0,02 * SI : 0,1-0,3 * MN : 0,1-0,3 * CR : 11-15 * NI : 1-5 * AL : 0-0,06 * N : 0-0,02 * TI + V + CA + ZR + MG : 0-0,222 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	MARTENSITE	MARTENSIT
	WELDABLE	SCHWEISSBAR
28	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	JP2002105603 AA	10.04.2002
Priority	JP2000305155	04.10.2000
Application	JP041020002000305155	
Applicant	NKK CORP.	
Inventor	NAKAMICHI, JIRO; SATO, KAORU; MINAMI, YUSUKE UND MITERFINDER	
Title	MARTENSITIC STAINLESS STEEL	

Info		
IPC	C22C03800	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,02 * SI : 0,1-0,3 * MN : 0,1-0,3 * CR : 11-15 * NI : 5-8 * MO : 1,5-3 * AL : 0-0,06 * N : 0-0,02 * TI + V + CU + W + CA + ZR + MG : 0-0,33 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	MARTENSITE	MARTENSIT
	STRESS-CORROSION-RESIST	SPANNUNGSKORROSIONSBEST
	WELDABLE	SCHWEISSBAR
29	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	JP2002060910 AA	28.02.2002
Priority	JP2000244148	11.08.2000
Application	JP110820002000244148	
Applicant	SUMITOMO METAL IND LTD.	
Inventor	KUSHIDA, TAKAHIRO; OGAWA, KAZUHIRO; HAMADA, MASAHIKO UND MITERFINDER	
Title	HIGH CR WELDED STEEL PIPE	
Info	-1 <= CR+MO-1,8.NI <= 13-220.O; CR+MO+1,8.NI:25-30; SCHWEISSGUT	
IPC	C22C03800	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,05 * SI : 0,05-1 * MN : 0,05-2 * P : 0-0,025 * S : 0-0,01 * CR : 11-18 * NI : 5-10 * MO : 1,5-4 * AL : 0,001-0,1 * N : 0-0,05 * TI : 0,002-0,03 * O : 0-0,065 * FE : REST	
Keywords	(english)	(german)
	AUSTENITE	AUSTENIT
	CORROSION-RESISTING	KORROSIONSBEST
	MARTENSITE	MARTENSIT
	TENSILE-STRENGTH	ZUGFEST
	USE	VERWENDUNG
	WELDABLE	SCHWEISSBAR
30	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	JP2002053913 AA	19.02.2002
Priority	JP2000235820	03.08.2000
Application	JP030820002000235820	
Applicant	NKK CORP.	
Inventor	SHINPO, YUKIO	
Title	METHOD FOR PRODUCING MARTENSITIC STAINLESS STEEL STRIP	

Info	C+N < 0,04	
IPC	C21D00946	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0,008-0,03 * SI : 0,1-0,3 * MN : 0,1-0,3 * CR : 11-15 * NI : 1-7 * AL : 0,05-0,09 * TI : 0,005-0,02 * N : 0,008-0,03 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	TOUGH	ZÄH
	USE	VERWENDUNG
31	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	JP2002053937 AA	19.02.2002
Priority	JP2000235819	03.08.2000
Application	JP030820002000235819	
Applicant	NKK CORP.	
Inventor	SHINPO, YUKIO; NAKAMICHI, JIRO; SATO, KAORU	
Title	MARTENSITIC STAINLESS STEEL	
Info		
IPC	C22C03800	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0,006-0,03 * N : 0,006-0,03 * CR : 11-15 * NI : 1-7 * SI : 0,1-0,3 * MN : 0,1-0,3 * AL : 0,02-0,06 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	MARTENSITE	MARTENSIT
	TENSILE-STRENGTH	ZUGFEST
32	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	JP2002030336 AA	31.01.2002
Priority	JP2000213101	13.07.2000
Application	JP130720002000213101	
Applicant	NKK CORP.	
Inventor	SHINPO, YUKIO	
Title	METHOD FOR PRODUCING MARTENSITIC STAINLESS STEEL	

Info	C*N < 0,04	
IPC	C21D00802	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0,008-0,03 * N : 0,008-0,03 * SI : 0,1-0,3 * MN : 0,1-0,3 * CR : 11-15 * NI : 1-7 * AL : 0,05-0,09 * TI : 0,005-0,02 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	PRODUCTION	HERSTELLUNG
	WELDABLE	SCHWEISSBAR
33	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	JP2002004009 AA	09.01.2002
Priority	JP2000182934	19.06.2000
Application	JP190620002000182934	
Applicant	KAWASAKI STEEL CORP.	
Inventor	KIMURA, MITSUO ; MIYATA, YUKIO ; TOYOOKA, TAKAAKI UND MITERFINDER	
Title	HIGH STRENGTH MARTENSITIC STAINLESS STEEL TUBE FOR OIL WELL AND ITS PRODUCTION METHOD	
Info		
IPC	C22C03800	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,05 * SI : 0-0,5 * MN : 0,3-1,5 * P : 0-0,03 * S : 0-0,005 * CR : 11-17 * NI : 2-7 * MO : 0-3 * AL : 0-0,05 * V : 0-0,2 * N : 0-0,15 * O : 0-0,005 * FE : REST	
Keywords	(english)	(german)
	AUSTENITE	AUSTENIT
	CORROSION-RESISTING	KORROSIONSBEST
	MARTENSITE	MARTENSIT
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
	TOUGH	ZÄH
34	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	JP2001303206 AA	31.10.2001
Priority	JP2000125859	26.04.2000
Application	JP260420002000125859	

Applicant	SUMITOMO METAL IND LTD.	
Inventor	TAKABE, HIDEKI; NAKAMURA, KEIICHI	
Title	STAINLESS STEEL FOR COILED TUBING	
Info	MO+1/2W:0,2-3	
IPC	C22C03800	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0,001-0,04 * SI : 0-1 * MN : 0,1-3 * P : 0-0,04 * S : 0-0,005 * CR : 9-15 * NI : 0,7-8 * AL : 0,001-0,2 * N : 0-0,05 * NB : 0-0,1 + V : 0-0,1 + TI : 0-0,1 + ZR : 0-0,1 * MO + W : 0,2-3 * CA : 0-0,05 + MG : 0-0,05 + LA : 0-0,05 + CE : 0-0,05 * FE : REST	
Keywords	(english)	(german)
	AUSTENITE	AUSTENIT
	CORROSION-RESISTING	KORROSIONSBEST
	FATIGUE-RESISTING	SCHWINGFEST
	MARTENSITE	MARTENSIT
	STRESS-CORROSION-RESIST	SPANNUNGSKORROSIONSBEST
35	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	JP2001279392 AA	10.10.2001
Priority	JP2000093662	30.03.2000
Application	JP300320002000093662	
Applicant	SUMITOMO METAL IND LTD.	
Inventor	KONDO, KUNIO; OGAWA, KAZUHIRO; HAMADA, MASAHIKO UND MITERFINDER	
Title	MARTENSITIC STAINLESS STEEL AND ITS PRODUCTION METHOD	
Info	BEMESSUNGSREGELN	
IPC	C22C03800	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,03 * SI : 0,05-1 * MN : 0,05-2 * P : 0-0,025 * S : 0-0,01 * N : 0-0,02 * O : 0-0,01 * TI : 0-0,05 * AL : 0,001-0,1 * CR : 12-20 * NI : 3-6 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	MARTENSITE	MARTENSIT
	TENSILE-STRENGTH	ZUGFEST
	USE	VERWENDUNG
36	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	JP2001234290 AA	28.08.2001
	JP2000046941	24.02.2000

Priority		
Application	JP240220002000046941	
Applicant	NISSHIN STEEL CO., LTD.	
Inventor	FUJIMOTO, NOBUKAZU; IGAWA, TAKASHI; HIRAMATSU, NAOTO	
Title	HIGH STRENGTH STAINLESS STEEL SHEET EXCELLENT IN BENDABILITY	
Info		
IPC	C22C03800	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0,01-0,2 * CR : 10-20 * SI : 0-2,22 * MN : 0,1-4 + NI : 0,1-4 * N + MO + V + CU + AL + NB : 0-0,33 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	FERRITE	FERRIT
	MARTENSITE	MARTENSIT
	TENSILE-STRENGTH	ZUGFEST
	TOUGH	ZÄH
37	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	JP01179485 A	03.07.2001
Priority	JP370129	27.12.1999
Application	JP2712199911-370129	
Applicant	SUMITOMO METAL IND LTD	
Inventor	OMURA, TOMOHIKO / HAMADA, MASAHICO / OGAWA, KAZUHIRO UND MITERFINDER	
Title	MARTENSITIC WELDED STAINLESS STEEL PIPE AND PRODUCING METHOD THEREFOR	
Info	ANGABEN Z.T. NICHT IM ABSTRACT	
IPC	B23K03530	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,1 * SI : 0-1 * MN : 0-3 * P : 0-0,04 * S : 0-0,01 * V : 0-0,1 * N : 0-0,1 * O : 0-0,06 * NI : 2-10 * CR : 12-20 * MO : 0-5 * TI : 0-0,2 * AL : 0-0,1 * NB : 0-0,1 * CU : 0-3 * W : 0-6 * FE : REST	
Keywords	(english)	(german)
	AUSTENITE	AUSTENIT
	CORROSION-RESISTING	KORROSIONSBEST
	FERRITE	FERRIT
	MARTENSITE	MARTENSIT
	STRESS-CORROSION-RESIST	SPANNUNGSKORROSIONSBEST
	TENSILE-STRENGTH	ZUGFEST
	TOUGH	ZÄH

	USE	VERWENDUNG
	WELDABLE	SCHWEISSBAR
38	<i>Deutsches Patent- und Markenamt</i> <i>DPMA</i>	12.11.2009 (16:41h)
Publication	US01038001 A	08.11.2001
Priority	JP359822	17.12.1999
Application	US18122000737578	
Applicant	MORIKAGE, YASUSHI/ KUBO, TAKAHIRO/ YASUDA, KOICH UND MITERFINDER	
Inventor	MORIKAGE, YASUSHI/ KUBO, TAKAHIRO/ YASUDA, KOICH UND MITANMELDER	
Title	WELDING MATERIAL AND A METHOD OF PRODUCING WELDED JOINT	
Info		
IPC	B23K03534	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,2 * SI : 0-1 * MN : 0-2,5 * P : 0-0,15 * S : 0-0,14 * AL : 0-0,033 * CR : 3-13 * NI : 3-13 * MO : 0-4 * NB : 0-4 * V : 0-0,033 * TI : 0-0,008 * H : 0-0,0004 * FE : REST	
Keywords	(english)	(german)
	FATIGUE-RESISTING	SCHWINGFEST
	FILLER-MATERIAL	SCHWEISSZUSATZW
	MARTENSITE	MARTENSIT
	TENSILE-STRENGTH	ZUGFEST
	USE	VERWENDUNG
	WELDABLE	SCHWEISSBAR
39	<i>Deutsches Patent- und Markenamt</i> <i>DPMA</i>	12.11.2009 (16:41h)
Publication	JP2001140040 AA	22.05.2001
Priority	JP11-323522	15.11.1999
Application	JP1511199911-323522	
Applicant	SUMITOMO METAL IND LTD.	
Inventor	OMURA, TOMOHIKO; KUSHIDA, TAKAHIRO	
Title	LOW CARBON FERRITE-MARTENSITE DUPLEX STAINLESS WELDED STEEL PIPE EXCELLENT IN SULFIDE STRESS CRACKING RESISTANCE	
Info		
IPC	C22C03800	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,02 * P : 0-0,04 * S : 0-0,01 * NI : 2-8 * CR : 11,5-15 * MO : 1,5-4 * SI : 0-1 * MN : 0-1 * AL : 0-0,1 * CU : 0-1,2 * TI : 0-0,2 * N : 0-0,02 * V : 0-0,1 * FE : REST	
Keywords	(english)	(german)

	CORROSION-RESISTING	KORROSIONSBEST
	FERRITE	FERRIT
	MARTENSITE	MARTENSIT
	STRESS-CORROSION-RESIST	SPANNUNGSKORROSIONSBEST
	TOUGH	ZÄH
	WELDABLE	SCHWEISSBAR
40	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	JP2001107198 AA	17.04.2001
Priority	JP11-287375	07.10.1999
Application	JP0710199911-287375	
Applicant	NIPPON STEEL CORP.	
Inventor	SAKAMOTO, TOSHIHARU; OKA, MASAHARU; ASAHI, HITOSHI UND MITERFINDER	
Title	MARTENSITIC STAINLESS STEEL LINEPIPE EXCELLENT IN SSC RESISTANCE AND ITS PRODUCING METHOD	
Info		
IPC	C22C03800	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,02 * SI : 0-0,5 * MN : 0-1,5 * P : 0-0,03 * S : 0-0,005 * CR : 10-14 * NI : 5-8 * MO : 2,5-3,5 * N : 0-0,03 * AL : 0-0,15 * CU : 0-1 + TI : 0,003-0,05 + ZR : 0,01-0,2 + NB : 0-0,05 + V : 0-0,1 + TA : 0-0,15 + CA : 0,0005-0,005 + MG : 0,0005-0,005 + B : 0,0005-0,005 * FE : REST	
Keywords	(english)	(german)
	AUSTENITE	AUSTENT
	CORROSION-RESISTING	KORROSIONSBEST
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	STRESS-CORROSION-RESIST	SPANNUNGSKORROSIONSBEST
41	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	JP2001098348 AA	10.04.2001
Priority	JP11-270762	24.09.1999
Application	JP2409199911-270762	
Applicant	KAWASAKI STEEL CORP.	
Inventor	KIMURA, MITSUO; MIYATA, YUKIO; TOYOOKA, TAKAAKI	
Title	HIGH STRENGTH MARTENSITIC STAINLESS STEEL OIL WELL PIPE	
Info		
IPC	C22C03800	
Composition	1	Composite component -

nr.		
Composition	[weight-%]: CR : 10,5-15 * MN : 0,3-2 * NI : 0-7 * NB : 0-0,2 * V : 0-0,2 * C : 0-0,03 * N : 0-0,03 * SI : 0-0,7 * S : 0-0,005 * AL : 0-0,05 * O : 0-0,01 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	MARTENSITE	MARTENSIT
	TENSILE-STRENGTH	ZUGFEST
	WELDABLE	SCHWEISSBAR
42	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	JP01059143 A	06.03.2001
Priority	JP236922	24.08.1999
Application	JP2408199911-236922	
Applicant	SUMITOMO METAL IND LTD.	
Inventor	UEDA, MASAKATSU/ TAKABE, HIDEKI/ NAKAMURA, KEIICHI UND MITERFINDER	
Title	STAINLESS STEEL WITH HIGH STRENGTH AND HIGH TOUGHNESS, EXCELLENT IN STRESS CORROSION CRACKING RESISTANCE	
Info	MO+1/2W:0-0,8	
IPC	C22C03800	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0,001-0,05 * SI : 0,01-1 * MN : 0,1-1,5 * CR : 9-14 * NI : 0,5-4 * AL : 0,001-0,1 * MO + W : 0-0,8 * CU : 0-1 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	MARTENSITE	MARTENSIT
	STRESS-CORROSION-RESIST	SPANNUNGSKORROSIONSBEST
	TENSILE-STRENGTH	ZUGFEST
	TOUGH	ZÄH
43	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	JP00328202 A	28.11.2000
Priority	JP139210	19.05.1999
Application	JP1905199911-139210	
Applicant	SUMITOMO METAL IND LTD.	
Inventor	OMURA, TOMOHIKO/ KUSHIDA, TAKAHIRO	
Title	LOW CARBON MARTENSITIC STAINLESS STEEL SHEET EXCELLENT IN FORMABILITY, CORROSION RESISTANCE AND TOUGHNESS, ITS PRODUCTION AND WELDED STEEL PIPE	
Info		
IPC	C22C03800	
Composition		

nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,02 * SI : 0-1 * MN : 0-3 * P : 0-0,04 * S : 0-0,01 * CR : 9-13 * NI : 1-4 * MO : 0-1,2 * AL : 0-0,1 * TI : 0-0,1 * CU : 0-1,2 * NB : 0-0,1 * V : 0-0,1 * N : 0-0,02 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	MARTENSITE	MARTENSIT
	TOUGH	ZÄH
	USE	VERWENDUNG
	WELDABLE	SCHWEISSBAR
44	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	JP00328201 A	28.11.2000
Priority	JP135249	17.05.1999
Application	JP1705199911-135249	
Applicant	NIPPON STEEL CORP.	
Inventor	SAKAMOTO, TOSHIHARU/ YAMAMOTO, SHUJI/ OKA, MASA HARU UND MITERFINDER	
Title	MARTENSITIC STAINLESS STEEL EXCELLENT IN HOT WORKABILITY	
Info		
IPC	C22C03800	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0,005-0,05 * SI : 0,1-0,5 * MN : 0,1-1 * P : 0-0,03 * S : 0-0,05 * CR : 10-14 * NI : 2-8 * MO : 0,5-3 * N : 0,005-0,05 * AL : 0,02-0,15 * TI : 0,003-0,05 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	MARTENSITE	MARTENSIT
	PRODUCTION	HERSTELLUNG
45	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	WO0053821 A	14.09.2000
Priority	US123230	08.03.1999
Application	WO08032000US00/05916	
Applicant	CRS HOLDINGS INC.	
Inventor	MARTIN, JAMES/ SCHMITT, ROLAND/ GOWER, RONALD	
Title	AN ENHANCED MACHINABILITY PRECIPITATION-HARDENABLE STAINLESS STEEL FOR CRITICAL APPLICATIONS	
Info		
IPC	C22C03842	
Composition nr.	1	Composite component -

Composition	[weight-%]: C : 0-0,03 * MN : 0-1 * SI : 0-1 * P : 0-0,03 * S : 0,005-0,015 * CR : 14-15,5 * NI : 3,5-5,5 * MO : 0-1 * CU : 2,5-4,5 * NB * TA : 0-0,2 * AL : 0-0,05 * B : 0-0,01 * N : 0-0,03 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	HARD	HART
	MACHINEABLE	ZERSPANBAR
	MARTENSITE	MARTENSIT
	PLASTIC	PLASTISCH
	PRECIPITATION-HARDENING	AUSSCHIEDUNGSH
	TENSILE-STRENGTH	ZUGFEST
	TOUGH	ZÄH
46	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	EP1008666 A	14.06.2000
Priority	JP348187	08.12.1998
Application	EP0812199999309869	
Applicant	SUMITOMO METAL INDUSTRIES LIMITED	
Inventor	AMAYA, HISASHI / ANRAKU, TOSHIRO / HIDAKA, YASUYOSHI	
Title	MARTENSITIC STAINLESS STEEL PRODUCTS	
Info		
IPC	C22C03818	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,5 * SI : 0-1 * MN : 0-5 * P : 0-0,023 * S : 0-0,003 * CR : 9-15 * NI : 0-8 * MO : 0-7 * TI : 0-0,1 * ZR : 0-0,1 * NB : 0-0,1 * AL : 0-0,1 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	MARTENSITE	MARTENSIT
	SURFACE	OBERFLÄCHE
	USE	VERWENDUNG
47	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	EP1006204 A	07.06.2000
Priority	JP339048	30.11.1998
Application	EP2611199999402952	
Applicant	SUMITOMO METAL INDUSTRIES LIMITED	
Inventor	OMURA, TOMOHIKO / KUSHIDA, TAKAHIRO	
Title	LOW CARBON MARTENSITE STAINLESS STEEL PLATE	
Info		

IPC	C21D00810	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,05 * SI : 0-1 * MN : 0-5 * P : 0-0,04 * S : 0-0,01 * CR : 10-15 * MO : 0-3 * AL : 0-0,1 * TI : 0-0,75 * NI : 1-8 * FE : REST	
Keywords	(english)	(german)
	AUSTENITE	AUSTENIT
	CORROSION-RESISTING	KORROSIONSBEST
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	PRODUCTION	HERSTELLUNG
	WELDABLE	SCHWEISSBAR
48	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	EP995876 A	26.04.2000
Priority	GB9822979	22.10.1998
Application	EP1310199999308059	
Applicant	CAMBO INTERNATIONAL (UK) LIMITED	
Inventor	EVANS, STEVEN MARTIN / BELL, ANDREW	
Title	METHODS OF MANUFACTURING ROTARY DRILL BITS	
Info		
IPC	E21B01000	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,2 * SI : 0-1 * MN : 0-1 * P : 0-0,3 * S : 0-0,03 * CR : 12-17 * NI : 5,5-3,5 * AL : 0-1,2 * CO : 0-2 * CU : 2 * MO : 3 * FE : REST	
Keywords	(english)	(german)
	COMPOSITE-MATERIAL	VERBUNDW
	MARTENSITE	MARTENSIT
	METAL-POWDER	METALLPULVER
	PRECIPITATION-HARDENING	AUSSCHIEDUNGSH
	SINTERED-PRODUCT	SINTERW
	USE	VERWENDUNG
49	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	JP00008144 A	11.01.2000
Priority	JP175724	23.06.1998
Application	JP2306199810-175724	
Applicant	SUMITOMO METAL IND LTD.	
Inventor	KUSHIDA, TAKAHIRO/ OMURA, TOMOHIKO/ KONDO, KUNIO	

Title	FERRITE-MARTENSITE DUPLEX STAINLESS WELDED STEEL PIPE	
Info		
IPC	C22C03800	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,05 * SI : 0-1 * MN : 0-0,5 * NI : 0,7-4 * CR : 9-15 * AL : 0-0,1 * N : 0-0,02 * CU : 0-1,2 * MO : 0-1,2 * TI : 0-0,2 * V : 0-0,1 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	FERRITE	FERRIT
	MARTENSITE	MARTENSIT
	TENSILE-STRENGTH	ZUGFEST
	WELDABLE	SCHWEISSBAR
50	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	JP11343519 AA	14.12.1999
Priority	JP10-151016	01.06.1998
Application	JP0106199810-151016	
Applicant	Sumitomo Metal Ind. Ltd.	
Inventor	Omura, Tomohiko; Kushida, Takahiro	
Title	Production of low carbon martensitic stainless steel welded tube	
Info	Bedingung gilt:3-0,5*MN<=NI<=8-0,5MN	
IPC	C21D009/50	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,05 * SI : 0-1 * MN : 0-5 * P : 0-0,04 * S : 0-0,01 * CR : 10-15 * MO : 0,1-3 * AL : 0-0,1 * TI : 0-0,1 * NI : 0,5-8 * N : 0-0,333 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	PRODUCTION	HERSTELLUNG
	USE	VERWENDUNG
	WELDABLE	SCHWEISSBAR
51	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	JP11310855 A	09.11.1999
Priority	JP116573	27.04.1998
Application	JP2704199810-116573	

Applicant	SUMITOMO METAL IND LTD.	
Inventor	AMAYA, TAKASHI/ KONDO, KUNIO	
Title	MARTENSITIC STAINLESS STEEL FOR OIL WELL, EXCELLENT IN CORROSION RESISTANCE, AND ITS PRODUCTION	
Info	MO+0,5W:0-5; NI > 0,64.CU -0,15	
IPC	C22C03800	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,05 * SI : 0-1 * MN : 0-5 * P : 0-0,04 * S : 0-0,005 * O : 0-0,005 * N : 0-0,05 * CR : 7-15 * MO + W : 0-10 * NI : 0-8 * CU : 0,25-5 * AL : 0,001-0,1 * CA : 0-0,05 + MG : 0-0,05 + LA : 0-0,05 + CE : 0-0,05 * TI : 0-0,5 + ZR : 0-0,5 + NB : 0-0,5 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	MARTENSITE	MARTENSIT
	STRESS-CORROSION-RESIST	SPANNUNGSKORROSIONSBEST
	USE	VERWENDUNG
52	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	JP11256282 A	21.09.1999
Priority	JP61617	12.03.1998
Application	JP1203199810-61617	
Applicant	NISSHIN STEEL CO LTD	
Inventor	MIYAKUSU, KATSUHISA / TOMIMURA, HIROKI / ISOZAKI, SEIICHI	
Title	PERCIPITATION HARDENING MARTENSITIC STAINLESS STEEL EXCELLENT IN STRENGTH, TOUGHNESS, AND FATIGUE CHARACTERISTIC, AND ITS PRODUCTION	
Info		
IPC	C22C03800	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,05 * SI : 0,5-2 * MN : 0-1 * P : 0,02-0,06 * S : 0-0,005 * NI : 6,5-9 * CR : 12-15 * CU : 0-1 * MO : 0,5-3 * TI : 0,15-0,6 * N : 0-0,015 * AL : 0-0,3 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	FATIGUE-RESISTING	SCHWINGFEST
	MARTENSITE	MARTENSIT
	PLASTIC	PLASTISCH
	PRECIPITATION-HARDENING	AUSSCHIEDUNGSH
	PRODUCTION	HERSTELLUNG
	SPRINGS	FEDERN
	TENSILE-STRENGTH	ZUGFEST
	TOUGH	ZÄH

53	<i>Deutsches Patent- und Markenamt DPMA</i>	12.11.2009 (16:41h)
Publication	JP11256281 A	21.09.1999
Priority	JP59137	11.03.1998
Application	JP1103199810-59137	
Applicant	SUMITOMO METAL IND LTD	
Inventor	OGAWA, KAZUHIRO / HIRATA, HIROMASA	
Title	MARTENSITIC STAINLESS STEEL EXCELLENT IN WELDING PERFORMANCE CHARACTERISTIC	
Info		
IPC	C22C03800	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0,001-0,015 * SI : 0,1-1 * MN : 0,1-1,5 * CR : 7-14 * NI : 0,5-7 * FE : REST * AL : 0-0,06 * P : 0-0,03 * S : 0-0,005 * O : 0-0,008 * TI + ZR + MO + W + CA + MG + LA + CE : 0-0,33	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	FILLER-MATERIAL	SCHWEISSZUSATZW
	MARTENSITE	MARTENSIT
54	<i>Deutsches Patent- und Markenamt DPMA</i>	12.11.2009 (16:41h)
Publication	EP937782 A	25.08.1999
Priority	JP40178	23.02.1998
Application	EP2202199999400423	
Applicant	SUMITOMO METAL INDUSTRIES LTD.	
Inventor	HIDAKA, YASUYOSHI/ ANRAKU, TOSHIRO/AMAYA, HISASHI	
Title	MARTENSITIC STAINLESS STEEL HAVING OXIDE SCALE LAYERS AND METHOD OF MANUFACTURING THE SAME	
Info		
IPC	C22C03818	
Composition nr.	1	Composite component b
Composition	Composite material [%]: PLATTIERUNG * KERN : 100 Component a [weight-%]: FE.O * FE.CR.O : 100 Component b [weight-%]: C : 0-0,5 * SI : 0-1 * MN : 0-2 * CR : 9-16 * NI : 0-7 * MO : 0-7 * TI : 0-0,2 * ZR : 0-0,2 * NB : 0-0,1 * AL : 0-0,1 * FE : REST	
Keywords	(english)	(german)
	CLADDING-MATERIAL	PLATTIERW
	COMPOSITE-MATERIAL	VERBUNDW

	CORROSION-RESISTING	KORROSIONSBEST
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	PRODUCTION	HERSTELLUNG
	STRESS-CORROSION-RESIST	SPANNUNGSKORROSIONSBEST
	SURFACE	OBERFLÄCHE
	USE	VERWENDUNG
55	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	JP11140594 A	25.05.1999
Priority	JP304440	06.11.1997
Application	JP061119979-304440	
Applicant	NIPPON STEEL CORP.	
Inventor	OKA, MASAHARU/ SAKAMOTO, TOSHIHARU	
Title	SEAMLESS MARTENSITIC STAINLESS STEEL PIPE EXCELLENT IN HOT WORKABILITY AND SULFIDE STRESS CRACKING RESISTANCE	
Info		
IPC	C22C03800	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,05 * SI : 0-0,5 * MN : 0-1,5 * P : 0-0,03 * S : 0-0,001 * CR : 10-14 * NI : 4-7 * MO : 1-3 * CU : 1-2 * AL : 0,061-0,3 * N : 0-0,08 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	MARTENSITE	MARTENSIT
	PLASTIC	PLASTISCH
	STRESS-CORROSION-RESIST	SPANNUNGSKORROSIONSBEST
	USE	VERWENDUNG
56	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	EP1026273 A	09.08.2000
Priority	JP194000	18.07.1997
Application	EP1707199898932588	
Applicant	SUMITOMO METAL INDUSTRIES LTD.	
Inventor	UEDA, MASAKATSU/ TAKABE, HIDEKI/ KONDO, KUNIO UND MITERFINDER	
Title	MARTENSITE STAINLESS STEEL OF HIGH CORROSION RESISTANCE	
Info	P < 0,046 -0,0008.HRC; 98 +47.C -1,1.CR +1,4.NI -150.AL -200.NB -50.TI -200.ZR -22(MO+0,5.W) > 50	
IPC	C22C03800	
Composition		

nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,04 * SI : 0-1 * MN : 0,1-1 * P : 0-0,03 * S : 0-0,01 * N : 0-0,05 * AL : 0,001-0,2 * CU : 0-2 * CR : 7-15 * NI : 0,7-8 * NB : 0-0,1 * TI : 0-0,1 * ZR : 0-0,1 * MO : 0-3 + W : 0-6 * CA + MG + LA + CE : 0-0,05 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	TENSILE-STRENGTH	ZUGFEST
	TOUGH	ZÄH
	USE	VERWENDUNG
	WELDABLE	SCHWEISSBAR
57	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	WO9904052 A	28.01.1999
Priority	JP194000	18.07.1997
Application	WO17071998JP98/03243	
Applicant	SUMITOMO METAL INDUSTRIES, LTD.	
Inventor	UEDA, MASAKATSU / TAKABE, HIDEKI / KONDO, KUNIO UND MITERFINDER	
Title	MARTENSITE STAINLESS STEEL OF HIGH CORROSION RESISTANCE	
Info		
IPC	C22C03800	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,04 * CR : 7-15 * NI : 0,7-8 * AL : 0,001-0,2 * SI : 0-1 * MN : 0-1,5 * CU : 0-2 * S : 0-0,01 * N : 0-0,05 * NB : 0-0,1 + TI : 0-0,1 + ZR : 0-0,1 * CA : 0-0,05 + MG : 0-0,05 + LA : 0-0,05 + CE : 0-0,05 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	HARD	HART
	MARTENSITE	MARTENSIT
	TENSILE-STRENGTH	ZUGFEST
	TOUGH	ZÄH
58	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	JP10273757 A	13.10.1998
Priority	JP92845	28.03.1997
Application	JP280319979-92845	
Applicant	NISSHIN STEEL CO., LTD.	
Inventor	MIYAKUSU, KATSUHISA/ IGAWA, TAKASHI/ FUJIMOTO, HIROSHI UND MITERFINDER	
Title	IMPROVEMENT OF PRESS PLATE	

Info		
IPC	C22C03800	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0,01-0,15 * SI : 0-0,555 * MN + NI + CU : 0,3-5 * CR : 10-20 * MO : 0-1 * B : 0-0,03 * AL : 0-0,2 * FE : REST	
Keywords	(english)	(german)
	FERRITE	FERRIT
	MARTENSITE	MARTENSIT
	SURFACE	OBERFLÄCHE
	TENSILE-STRENGTH	ZUGFEST
	USE	VERWENDUNG
59	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	JP10237597 A	08.09.1998
Priority	JP39026	24.02.1997
Application	JP240219979-39026	
Applicant	NISSHIN STEEL CO LTD	
Inventor	HASEGAWA, MORIHIRO / MIYAKUSU, KATSUHISA / OKUBO, NAOTO UND MITERFINDER	
Title	HIGH STRENGTH AND HIGH DUCTILITY DUAL-PHASE STAINLESS STEEL EXCELLENT IN ANTIBACTERIAL PROPERTY AND ITS PRODUCTION	
Info		
IPC	C22C03800	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,1 * SI : 0-2 * MN : 0-2 * CR : 10-20 * NI : 0-4 * N : 0-0,1 * CU : 0,4-5 * MO : 0-3 + AL : 0-0,2 + REM : 0-0,2 + Y : 0-0,2 + CA : 0-0,1 + MG : 0-0,1 + B : 0-0,01 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	FERRITE	FERRIT
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	PLASTIC	PLASTISCH
	PRECIPITATION-HARDENING	AUSSCHIEDUNGSH
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
60	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	JP10237604 A	08.09.1998
Priority	JP340235	19.12.1996
Application	JP061119979-304441	

Applicant	NIPPON STEEL CORP.	
Inventor	OKA, MASAHARU/ SAKAMOTO, TOSHIHARU/ YAMAMOTO, SHUJI UND MITERFINDER	
Title	MARTENSITIC STAINLESS STEEL EXCELLENT IN HOT WORKABILITY AND SULFIDE STRESS CRACKING RESISTANCE, METHOD OF BLOOMING THEREFOR, SEAMLESS STEEL TUBE USING SAME, AND ITS PRODUCTION	
Info		
IPC	C22C03800	
Composition nr.	1	Composite component -
Composition	{weight-%}: C : 0-0,05 * SI : 0-0,5 * MN : 0-1,5 * P : 0-0,03 * S : 0-0,002 * CR : 10-14 * NI : 4-7 * AL : 0,061-0,3 * N : 0-0,08 * MO : 1-3 * CU : 1-2 * CA : 0-0,1 * TI : 0,001-0,05 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	MARTENSITE	MARTENSIT
	PLASTIC	PLASTISCH
	STRESS-CORROSION-RESIST	SPANNUNGSKORROSIONSBEST
	USE	VERWENDUNG
61	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	EP953401 A	03.11.1999
Priority	JP321210	18.11.1996
Application	EP1811199797912491	
Applicant	NIPPON STEEL CORPORATION	
Inventor	INOUE, HIROSHIGE / KOSEKI, TOSHIHIKO / OHKITA, SHIGERU	
Title	WIRE FOR WELDING HIGH-CHROMIUM STEEL	
Info	(CR+MO+1,5.SI)/(NI+0,5.MN+30.C):1,8-2,8; (CR+MO+1,5.SI).(NI+0,5.MN+30.C):100-140	
IPC	B23K03530	
Composition nr.	1	Composite component -
Composition	{weight-%}: C : 0,005-0,12 * SI : 0,01-1 * MN : 0,02-2 * CR : 12-17 * NI : 5-8 * MO : 1-3 * CU : 0-2 * P : 0-0,03 * S : 0-0,01 * TI : 0-0,05 * AL : 0-0,05 * FE : REST	
Keywords	(english)	(german)
	AUSTENITE	AUSTENIT
	CORROSION-RESISTING	KORROSIONSBEST
	FERRITE	FERRIT
	FILLER-MATERIAL	SCHWEISSZUSATZW
	HIGH-TEMPER-STRENGTH	WARMFEST
	MARTENSITE	MARTENSIT
	TENSILE-STRENGTH	ZUGFEST
	TOUGH	ZÄH
	USE	VERWENDUNG

	WIRE	DRAHT
62	<i>Deutsches Patent- und Markenamt DPMA</i>	<i>12.11.2009 (16:41h)</i>
Publication	EP953401 A	03.11.1999
Priority	JP321210	18.11.1996
Application	EP1811199797912491	
Applicant	NIPPON STEEL CORPORATION	
Inventor	INOUE, HIROSHIGE / KOSEKI, TOSHIHIKO / OHKITA, SHIGERU	
Title	WIRE FOR WELDING HIGH-CHROMIUM STEEL	
Info		
IPC	B23K03530	
Composition nr.	2	Composite component -
Composition	[weight-%]: C : 0-0,035 * SI : 0-0,5 * MN : 0,1-1,5 * CR : 9-13 * NI : 1,5-6,5 * MO : 1-3 * CU : 0-1,8 * AL : 0-0,05 * N : 0-0,02 * P : 0-0,03 * S : 0-0,005 * FE : REST	
Keywords	(english)	(german)
	FERRITE	FERRIT
	MARTENSITE	MARTENSIT
	USE	VERWENDUNG
	WELDABLE	SCHWEISSBAR
63	<i>Deutsches Patent- und Markenamt DPMA</i>	<i>12.11.2009 (16:41h)</i>
Publication	WO9822255 A	28.05.1998
Priority	JP321210	18.11.1996
Application	WO18111997JP97/04190	
Applicant	NIPPON STEEL CORP.	
Inventor	INOUE, HIROSHIGE/ OHKITA, SHIGERU/ KOSEKI, TOSHIHIKO	
Title	WIRE FOR WELDING HIGH-CHROMIUM STEEL	
Info	(CR+MO+1,5.SI)/(NI+0,5.MN+30.C):1,8-2,8; (CR+MO+1,5.SI).(NI+0,5.MN+30.C):100-140	
IPC	B23K03530	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,12 * SI : 0-1 * MN : 0,02-2 * P : 0-0,03 * S : 0-0,005 * CR : 7,5-17 * NI : 1,5-8 * MO : 1-3 * CU : 0-2 * TI : 0-0,5 * AL : 0-0,05 * N : 0-0,02 * FE : REST	
Keywords	(english)	(german)
	AUSTENITE	AUSTENIT
	CORROSION-RESISTING	KORROSIONSBEST
	FERRITE	FERRIT
	FILLER-MATERIAL	SCHWEISSZUSATZW
	MARTENSITE	MARTENSIT

	TENSILE-STRENGTH	ZUGFEST
	TOUGH	ZÄH
	USE	VERWENDUNG
	WIRE	DRAHT
64	<i>Deutsches Patent- und Markenamt DPMA</i>	<i>12.11.2009 (16:41h)</i>
Publication	JP10130787 A	19.05.1998
Priority	JP286849	29.10.1996
Application	JP291019968-286849	
Applicant	KAWASAKI STEEL CORP.	
Inventor	KIMURA, MITSUO/ MIYATA, YUKIO/ TOYOOKA, TAKAAKI UND MITERFINDER	
Title	HIGH STRENGTH MARTENSITIC STAINLESS STEEL FOR OIL WELL PIPE, EXCELLENT IN STRESS CORROSION CRACKING RESISTANCE AND HIGH TEMPERATURE TENSILE CHARACTERISTIC	
Info	V+0,8.NB:0,02-0,2; CR+3,2.MO+16.N+0,5.NI-5.C >= 17; 1,1.CR+1,5.SI+MO-NI-0,5.MN-30.(C+N) <= 6	
IPC	C22C03800	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,05 * SI : 0-0,5 * MN : 0,3-1,5 * P : 0-0,03 * S : 0-0,005 * CR : 11-17 * NI : 3-7 * MO : 0,5-5 * AL : 0-0,05 * N : 0,01-0,15 * O : 0-0,005 * NB : 0-0,2 * V : 0-0,2 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	HIGH-TEMPER-STRENGTH	WARMFEST
	MARTENSITE	MARTENSIT
	STRESS-CORROSION-RESIST	SPANNUNGSKORROSIONSBEST
	USE	VERWENDUNG
65	<i>Deutsches Patent- und Markenamt DPMA</i>	<i>12.11.2009 (16:41h)</i>
Publication	JP10130785 A	19.05.1998
Priority	JP281938	24.10.1996
Application	JP241019968-281938	
Applicant	SUMITOMO METAL IND LTD.	
Inventor	AMAYA, TAKASHI/ UEDA, MASAKATSU/ KONDO, KUNIO	
Title	MARTENSITIC STAINLESS STEEL FOR OIL WELL USE, EXCELLENT IN HOT WORKABILITY	
Info	NI >= 0,64.CU-0,15; 21.CR+25.MO+17.SI+35.NI+17.MN <= 731; 30.CR+36.MO+14.SI-28.NI-13.MN <= 455	
IPC	C22C03800	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : (0)-0,05 * SI : 0-1 * MN : 0-5 * P : 0-0,04 * S : 0-0,0008 * N : 0-0,5 * O : 0-0,005 * V : 0-0,02 * CR : 7-14 * MO : 0,5-7 * AL : 0,001-0,1 * NI : 0-8 * CU : 0-5 * TI : (0)-0,6 * FE :	

	REST	
Keywords	(english)	(german)
	MARTENSITE	MARTENSIT
	STRESS-CORROSION-RESIST	SPANNUNGSKORROSIONSBEST
	TENSILE-STRENGTH	ZUGFEST
	USE	VERWENDUNG
66	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	DE19781031 T	02.04.1998
Priority	JP256333	27.09.1996
Application	WO26091997JP97/03439	
Applicant	NIPPON YAKIN KOGYO CO., LTD.	
Inventor	TANIUCHI, TOSHIHIKO/ FUJII, HIROYUKI/ TAKAI, TAKAHIRO	
Title	AUSTENITISCHER ROSTFREIER STAHL MIT ANTIMIKROBIELLEN EIGENSCHAFTEN UND VERFAHREN ZU SEINER HERSTELLUNG	
Info	12,6.(C+N)+0,35.SI+1,05.MN+NI+0,65.CR+0,6.CU+0,4.AL >20	
IPC	C22C03818	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,2 * SI : 0-2 * MN : 0-10 * NI : 4-28 * CR : 12-25 * CU : 0,5-10 * AL : 0,1-5 * N : 0-0,1 * MO : 0-8 * B : 0-0,02 * TI + ZR + V + NB + TA : 0-1 * FE : REST	
Keywords	(english)	(german)
	AUSTENITE	AUSTENIT
	COMPOSITE-MATERIAL	VERBUNDW
	CORROSION-RESISTING	KORROSIONSBEST
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	PLASTIC	PLASTISCH
	PRODUCTION	HERSTELLUNG
	SURFACE	OBERFLÄCHE
	USE	VERWENDUNG
	WELDABLE	SCHWEISSBAR
67	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	JP10025549 A	27.01.1998
Priority	JP183604	12.07.1996
Application	JP120719968-183604	
Applicant	NIPPON STEEL CORP.	
Inventor	OKA, MASAHARU/ SATO, NOAHARU/ SAKAMOTO, TOSHIHARU UND MITERFINDER	
Title	MARTENSITIC STAINLESS STEEL EXCELLENT IN HOT WORKABILITY	

Info		
IPC	C22C03800	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,05 * SI : 0-0,5 * MN : 0-1,5 * P : 0-0,03 * S : 0,002-0,008 * CR : 10-17 * NI : 4-7 * AL : 0-0,1 * N : 0-0,08 * MO : 1-3 * CU : 1-3 * TI : 0,001-0,05 * FE : REST * CA : 0-0,01 + REM : 0-0,03	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	HIGH-TEMPER-STRENGTH	WARMFEST
	MARTENSITE	MARTENSIT
68	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	DE69713446 T2	29.10.1997
Priority	JP131428/96	26.04.1996
Application	DE1804199797106468	
Applicant	Denso Corp.	
Inventor	Sugiyama, Satoshi; Takenouchi, Syoichi; Tanimura, Yoshihiro und Miterf.	
Title	Verfahren zum spannungsinduzierten Umwandeln austenitischer rostfreier Stähle und Verfahren zum Herstellen zusammengesetzter magnetischer Teile	
Info		
IPC	C21D008/12	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,6 * CR : 12-19 * NI : 6-12 * MN : 0-2 * MO : 0-2 * NB : 0-1 * SI : 0-2 * AL : 0-0,5 * FE : REST	
Keywords	(english)	(german)
	AUSTENITE	AUSTENIT
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	PLASTIC	PLASTISCH
	STRESS-CORROSION-RESIST	SPANNUNGSKORROSIONSBEST
	USE	VERWENDUNG
69	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	JP10001755 A	06.01.1998
Priority	JP92774	15.04.1996
Application	JP161219968-336173	
Applicant	NIPPON STEEL CORP.	
Inventor	HARA, TAKUYA/ ASAHI, HITOSHI/ KAWAKAMI, SATORU	
Title	MARTENSITIC STAINLESS STEEL EXCELLENT IN CORROSION RESISTANCE AND SULFIDE	

	STRESS CORROSION CRACKING RESISTANCE AND ITS PRODUCTION	
Info		
IPC	C22C03800	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0,005-0,05 * SI : 0,05-0,5 * MN : 0,1-1 * CR : 10-15 * NI : 4-9 * CU : 0,5-3 * MO : 1-3 * AL : 0,005-0,2 * N : 0,005-0,1 * P : 0-0,025 * S : 0-0,015 * FE : REST	
Keywords	(english)	(german)
	AUSTENITE	AUSTENIT
	CORROSION-RESISTING	KORROSIONSBEST
	MARTENSITE	MARTENSIT
	STRESS-CORROSION-RESIST	SPANNUNGSKORROSIONSBEST
70	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	EP798394 A	01.10.1997
Priority	JP71819	27.03.1996
Application	EP2603199797105131	
Applicant	KAWASAKI STEEL CORPORATION	
Inventor	KIMURA, MITSUO / MIYATA, YUKIO / KOSEKI, TOMOYA UND MITERFINDER	
Title	MARTENSITIC STEEL FOR LINE PIPE HAVING EXCELLENT CORROSION RESISTANCE AND WELDABILITY	
Info	C+MO+0,1.N+3.CU-3.C >= 12,2; CR+3,5.MO+10.N+0,2.NI-20.C >= 14,5	
IPC	C22C03800	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,02 * SI : 0-0,5 * MN : 0,2-3 * CR : 10-14 * NI : 0,2-7 * MO : 0,2-5 * AL : 0-0,1 * N : 0-0,07 * NB + V : 0-0,2 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	MARTENSITE	MARTENSIT
	USE	VERWENDUNG
	WELDABLE	SCHWEISSBAR
71	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	EP798394 A	01.10.1997
Priority	JP71819	27.03.1996
Application	EP2603199797105131	
Applicant	KAWASAKI STEEL CORPORATION	
Inventor	KIMURA, MITSUO / MIYATA, YUKIO / KOSEKI, TOMOYA UND MITERFINDER	
Title	MARTENSITIC STEEL FOR LINE PIPE HAVING EXCELLENT CORROSION RESISTANCE AND WELDABILITY	

Info	C+MO+0,1.N+3.CU-3.C >= 12,2; 150.C+100.N-NI-MN <= 4; CR+3,5.MO+10.N+0,2.NI-20.C >= 14,5	
IPC	C22C03800	
Composition nr.	2	Composite component -
Composition	[weight-%]: C : 0-0,02 * SI : 0-0,5 * MN : 0,2-3 * CR : 10-14 * NI : 0,2-7 * MO : 0,2-5 * AL : 0-0,1 * N : 0-0,07 * NB + V : 0-0,2 * CU : 0-2 * TI : 0-0,15 * ZR : 0-0,15 * TA : 0-0,15 * CA : 0-0,006 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	MARTENSITE	MARTENSIT
	USE	VERWENDUNG
	WELDABLE	SCHWEISSBAR
72	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	JP09256115 A	30.09.1997
Priority	JP61366	18.03.1996
Application	JP180319968-61366	
Applicant	NIPPON STEEL CORP.	
Inventor	ASAHI, HITOSHI/ TAMEHIRO, HIROSHI/ MURAKI, TARO UND MITERFINDER	
Title	MARTENSITIC STAINLESS STEEL, EXCELLENT IN SOUR RESISTANCE AND HAVING SUPERIOR WELDABILITY, AND ITS PRODUCTION	
Info		
IPC	C22C03800	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,035 * SI : 0-0,5 * MN : 0,1-1,5 * P : 0-0,03 * S : 0-0,005 * CR : 9-13 * NI : 1,5-6 * CU : 0,3-1,8 * MO : 1,5-2,5 * AL : 0-0,06 * N : 0-0,02 * FE : REST	
Keywords	(english)	(german)
	AUSTENITE	AUSTENIT
	CORROSION-RESISTING	KORROSIONSBEST
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	TENSILE-STRENGTH	ZUGFEST
	WELDABLE	SCHWEISSBAR
73	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	JP09291344 A	11.11.1997
Priority	JP38547	26.02.1996
Application	JP220519968-127129	
Applicant	NIPPON STEEL CORP.	
Inventor	OKA, MASA HARU/ SAKAMOTO, TOSHI HARU	

Title	LOW HARDNESS MARTENSITIC STAINLESS STEEL	
Info	C+N+0,017.NI+0,015.MO < 0,15	
IPC	C22C03800	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,025 * SI : 0-0,5 * MN : 0-1,5 * P : 0-0,03 * S : 0-0,01 * CR : 11-17 * NI : 4,5-7 * AL : 0-0,06 * N : 0-0,025 * MO : 1-3 * CA : 0-0,02 * CU : 0-3 * FE : REST	
Keywords	(english)	(german)
	HARD	HART
	MARTENSITE	MARTENSIT
	USE	VERWENDUNG
74	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	JP09227934 A	02.09.1997
Priority	JP32491	20.02.1996
Application	JP200219968-32491	
Applicant	NIPPON STEEL CORP.	
Inventor	MURAKI, TARO/ ASAHI, HITOSHI/ TAMEHIRO, HIROSHI UND MITERFINDER	
Title	MANUFACTURE OF MARTENSITIC STAINLESS STEEL EXCELLENT IN LOW TEMPERATURE TOUGHNESS	
Info	40C+34N+NI+0,3CU-1,1CR-1,8MO > -11	
IPC	C22C03800	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0,001-0,05 * SI : 0-1 * MN : 0-2 * S : 0-0,01 * P : 0-0,025 * AL : 0-0,08 * N : 0-0,015 * CR : 7-15 * NI : 1-5 * TI : 0,005-0,03 * FE : REST	
Keywords	(english)	(german)
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	TENSILE-STRENGTH	ZUGFEST
	TOUGH	ZÄH
	USE	VERWENDUNG
	WELDABLE	SCHWEISSBAR
75	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	JP09268349 A	14.10.1997
Priority	JP33149	29.01.1996
Application	JP250419968-127697	
Applicant	NIPPON STEEL CORP.	
Inventor	SHIGESATO, GENICHI/ ASAHI, HITOSHI/ HARA, TAKUYA UND MITERFINDER	
	MARTENSITIC STAINLESS STEEL EXCELLENT IN SULFIDE STRESS CRACKING	

Title	RESISTANCE	
Info		
IPC	C22C03800	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0,005-0,05 * SI : 0,05-0,5 * MN : 0,1-1 * P : 0-0,025 * S : 0-0,015 * CR : 10-15 * NI : 3-6 * MO : 0,5-3 * AL : 0,005-0,2 * N : 0,005-0,1 * FE : REST * CU : 0-3	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	MARTENSITE	MARTENSIT
	STRESS-CORROSION-RESIST	SPANNUNGSKORROSIONSBEST
76	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	DE69628190 T2	03.04.1997
Priority	JP249661/95	27.09.1995
Application	DE2709199669628190	
Applicant	Sumitomo Metal Industries, Ltd.	
Inventor	Ueda, Masakatsu; Ogawa, Kazuhiro; Kondo, Kunio und Miterf.	
Title	Hochfeste, geschweisste Stahlstrukturen mit hervorragendem Korrosionswiderstand	
Info		
IPC	C22C038/00	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0,001-0,05 * SI : 0-1 * MN : 0-5 * CR : 9-14 * NI : 4,5-7 * AL : 0,001-0,2 * MO : 0-4 * CU : 0-3 * W : 0-5 * TI : 0-0,2 * NB : 0-0,2 * ZR : 0-0,2 * CA : 0-0,01 * B : 0-0,01 * P : 0-0,03 * S : 0-0,01 * FE : REST	
Keywords	(english)	(german)
	AUSTENITE	AUSTENIT
	CORROSION-RESISTING	KORROSIONSBEST
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	STRESS-CORROSION-RESIST	SPANNUNGSKORROSIONSBEST
	TENSILE-STRENGTH	ZUGFEST
	USE	VERWENDUNG
	WELDABLE	SCHWEISSBAR
77	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	EP864663 A	16.09.1998
Priority	JP249661	27.09.1995

Application	EP2709199696932043	
Applicant	SUMITOMO METAL INDUSTRIES LTD.	
Inventor	UEDA, MASAKATSU/ OGAWA, KAZUHIRO/ KONDO, KUNIO UND MITERFINDER	
Title	HIGH-STRENGTH WELDED STEEL STRUCTURES HAVING EXCELLENT CORROSION RESISTANCE	
Info		
IPC	C22C03800	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0,001-0,05 * CR : 9-14 * SI : 0-1 * MN : 0-5 * NI : 0,5-7 * AL : 0,001-0,2 * MO : 0-4 * CU : 0-3 * W : 0-5 * TI : 0-0,2 * NB : 0-0,2 * ZR : 0-0,2 * CA : 0-0,01 * B : 0-0,01 * FE : REST * P : 0-0,03 * S : 0-0,01	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	HARD	HART
	MARTENSITE	MARTENSIT
	STRESS-CORROSION-RESIST	SPANNUNGSKORROSIONSBEST
	TENSILE-STRENGTH	ZUGFEST
	WELDABLE	SCHWEISSBAR
78	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	WO9712072 A	03.04.1997
Priority	JP249661	27.09.1995
Application	WO27091996JP96/02834	
Applicant	SUMITOMO METAL INDUSTRIES, LTD	
Inventor	UEDA, MASAKATSU / OGAWA, KAZUHIRO / KONDO, KUNIO UND MITERFINDER	
Title	HIGH-STRENGTH WELDED STEEL STRUCTURES HAVING EXCELLENT CORROSION RESISTANCE	
Info		
IPC	C22C03800	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,03 * SI : 0-1 * MN : 0-2 * P : 0-0,02 * S : 0-0,01 * AL : 0-0,1 * CR : 9-14 * NI : 7-11 * MO : 1,5-5 * CU : 0-2 * N : 0-0,4 * W : 0-3,5 * TI : 0-0,15 * NB : 0-0,15 * ZR : 0-0,15 * CA : 0-0,01 * B : 0-0,01 * FE : REST	
Keywords	(english)	(german)
	AUSTENITE	AUSTENIT
	CORROSION-RESISTING	KORROSIONSBEST
	FERRITE	FERRIT
	HARD	HART
	HEAT-TREATMENT	WÄRMEBEHANDLUNG

	MARTENSITE	MARTENSIT
	STRESS-CORROSION-RESIST	SPANNUNGSKORROSIONSBEST
	TENSILE-STRENGTH	ZUGFEST
	USE	VERWENDUNG
	WELDABLE	SCHWEISSBAR
79	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	WO9712072 A	03.04.1997
Priority	JP249661	27.09.1995
Application	WO27091996JP96/02834	
Applicant	SUMITOMO METAL INDUSTRIES, LTD	
Inventor	UEDA, MASAKATSU / OGAWA, KAZUHIRO / KONDO, KUNIO UND MITERFINDER	
Title	HIGH-STRENGTH WELDED STEEL STRUCTURES HAVING EXCELLENT CORROSION RESISTANCE	
Info		
IPC	C22C03800	
Composition nr.	2	Composite component -
Composition	[weight-%]: C : 0,001-0,05 * SI : 0-1 * MN : 0-5 * P : 0-0,03 * S : 0-0,01 * AL : 0-0,2 * CR : 9-14 * NI : 0-7 * MO : 0-4 * CU : 0-3 * W : 0-5 * TI : 0-0,2 * NB : 0-0,2 * ZR : 0-0,2 * CA : 0-0,01 * B : 0-0,01 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	FERRITE	FERRIT
	HARD	HART
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	STRESS-CORROSION-RESIST	SPANNUNGSKORROSIONSBEST
	TENSILE-STRENGTH	ZUGFEST
	USE	VERWENDUNG
	WELDABLE	SCHWEISSBAR
80	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	JP09041092 A	10.02.1997
Priority	JP7191928	27.07.1995
Application	JP270719957191928	
Applicant	NIPPON STEEL CORP	
Inventor	ASAHI, HITOSHI/ MURAKI, TARO/ TAMEHIRO, HIROSHI	
Title	HIGH CORROSION RESISTANCE MARTENSITIC STAINLESS STEEL REDUCED IN HARDNESS IN WELD ZONE	

Info		
IPC	C22C03800	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,005 * SI : 0-0,5 * MN : 0,1-1 * P : 0-0,03 * S : 0-0,005 * CR : 9-13 * NI : 1,5-5 * AL : 0-0,06 * N : 0-0,008 * FE : REST * MO : 0-2 * TI : 0-0,1 + ZR : 0-0,2 * CA : 0-0,02 + SELT ERD : 0-0,1	
Keywords	(english)	(german)
	AUSTENITE	AUSTENIT
	CORROSION-RESISTING	KORROSIONSBEST
	HARD	HART
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	WELDABLE	SCHWEISSBAR
81	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	JP08246107 A	24.09.1996
Priority	JP51599	10.03.1995
Application	JP100319957-51599	
Applicant	NIPPON STEEL CORP.	
Inventor	HARA, TAKUYA/ ASAHI, HITOSHI	
Title	MARTENSITIC STAINLESS STEEL EXCELLENT IN CARBON DIOXIDE CORROSION RESISTANCE AND SULFIDE STRESS CORROSION CRACKING RESISTANCE	
Info		
IPC	C22C03800	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0,005-0,05 * SI : 0,05-0,5 * MN : 0,1-1 * CR : 12-15 * NI : 4,5-9 * CU : 1-3 * MO : 2-3 * W : 0,1-3 * AL : 0,005-0,2 * N : 0,005-0,1 * P : 0-0,25 * S : 0-0,015 * FE : REST * CO : 0-3	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	MARTENSITE	MARTENSIT
	STRESS-CORROSION-RESIST	SPANNUNGSKORROSIONSBEST
82	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	US5716465 A	11.04.1996
Priority	JP237918	30.09.1994
Application	WO27091995JP95/01950	
Applicant	NIPPON STEEL CORP.	
Inventor	HARA, TAKUYA/ HITOSHI, ASAHI/ TAMEHIRO, HIROSHI UND MITERFINDER	

Title	HIGH-CORROSION-RESISTANT MARTENSITIC STAINLESS STEEL HAVING EXCELLENT WELDABILITY AND PROCESS FOR PRODUCING THE SAME	
Info		
IPC	C22C03842	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0,005-0,035 * SI : 0-0,5 * MN : 0,1-1 * S : 0-0,005 * P : 0-0,03 * CR : 8-13,5 * CU : 1-4 * NI : 1,5-5 * AL : 0-0,06 * N : 0-0,01 * FE : REST * TI : 0-0,1 * MO : 0-3 * ZR : 0-0,2 * CA : 0-0,02 + REM : 0-0,4	
Keywords	(english)	(german)
	AUSTENITE	AUSTENIT
	CORROSION-RESISTING	KORROSIONSBEST
	HARD	HART
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	PRECIPITATION-HARDENING	AUSSCHIEDUNGSH
	PRODUCTION	HERSTELLUNG
	STRESS-CORROSION-RESIST	SPANNUNGSKORROSIONSBEST
	WELDABLE	SCHWEISSBAR
83	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	WO9610654 A	11.04.1996
Priority	JP237918	30.09.1994
Application	WO27091995JP95/01950	
Applicant	NIPPON STEEL CORP.	
Inventor	HARA, TAKUYA/ ASAHI, HITOSHI/ TAMEHIRO, HIROSHI UND MITERFINDER	
Title	HIGHLY CORROSION-RESISTANT MARTENSITIC STAINLESS STEEL WITH EXCELLENT WELDABILITY AND PROCESS FOR PRODUCING THE SAME	
Info		
IPC	C22C03842	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0,005-0,035 * SI : 0-0,5 * MN : 0,1-1 * P : 0-0,03 * S : 0-0,005 * MO : 1-3 * CR : 6,4-12 * CU : 1-4 * NI : 1,5-5 * AL : 0-0,06 * N : 0-0,01 * TI : 0-0,1 + ZR : 0-0,2 + CA : 0-0,02 + SELTERD : 0-0,4 * FE : REST	
Keywords	(english)	(german)
	AUSTENITE	AUSTENIT
	CORROSION-RESISTING	KORROSIONSBEST
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	PRODUCTION	HERSTELLUNG
	STRESS-CORROSION-RESIST	SPANNUNGSKORROSIONSBEST

	WELDABLE	SCHWEISSBAR
84	<i>Deutsches Patent- und Markenamt DPMA</i>	<i>12.11.2009 (16:41h)</i>
Publication	JP08120345 AA	14.05.1996
Priority	JP6-198610	23.08.1994
Application	JP310319957-76851	
Applicant	Nippon Steel Corp.	
Inventor	Kawakami, Satoru; Takahashi, Akihiko; Asahi, Hitoshi	
Title	Production of martensitic stainless steel seamless tube excellent in corrosion resistance	
Info		
IPC	C21D009/08	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0.005-0,05 * SI : 0-0,5 * CR : 11-17 * NI : 2.4-6 * CU : 0,2-4 * MO : 0,5-3 * N : 0,01-0,1 * MN + P + S + AL : 0-0,33 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	PRODUCTION	HERSTELLUNG
	STRESS-CORROSION-RESIST	SPANNUNGSKORROSIONSBEST
85	<i>Deutsches Patent- und Markenamt DPMA</i>	<i>12.11.2009 (16:41h)</i>
Publication	JP08041599 A	13.02.1996
Priority	JP194755	26.07.1994
Application	JP2607199406194755	
Applicant	SUMITOMO METAL IND LTD.	
Inventor	MORI, YUUKI/ UEDA, MASAKATSU/ KONDO, KUNIO UND MITERFINDER	
Title	MARTENSITIC STAINLESS STEEL EXCELLENT IN CORROSION RESISTANCE IN WELD ZONE	
Info	CR+MO > 11 30C+NI-1,1CR-1,1MO > 10,5	
IPC	C22C03800	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,009 * SI : 0-1 * MN : 0-1 * P : 0-0,04 * S : 0-0,005 * CR : 9-15 * NI : 4-8 * MO : 1,5-7 * AL : 0,001-0,1 * N : 0-0,1 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	MARTENSITE	MARTENSIT
	TOUGH	ZÄH
	USE	VERWENDUNG

	WELDABLE	SCHWEISSBAR
86	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	US5820699 A	08.02.1996
Priority	JP169467	21.07.1994
Application	WO21071995JP95/01453	
Applicant	NIPPON STEEL CORP.	
Inventor	ASAHI, HITOSHI/ HARA, TAKUYA/ KAWAKAMI, AKIRA	
Title	MARTENSITIC STAINLESS STEEL HAVING EXCELLENT HOT WORKABILITY AND SULFIDE STRESS CRACKING RESISTANCE	
Info	CR+1,6.MO >= 13; 40.C +34.N +NI +0,3.CU -1,1.CR -1,8.MO >= 10,5	
IPC	C22C03842	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0,005-0,05 * SI : 0-0,5 * MN : 0,1-1 * P : 0-0,03 * S : 0-0,005 * N : 0-0,046 * CR : 11,01-16,666 * MO : 1-3 * CU : 1-4 * NI : 5-8 * AL : 0-0,06 * TI : 0-0,1 * ZR : 0-0,2 * CA : 0-0,02 * REM : 0-0,4 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSI
	STRESS-CORROSION-RESIST	SPANNUNGSKORROSIONSBEST
	TENSILE-STRENGTH	ZUGFEST
	USE	VERWENDUNG
87	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	WO9603532 A	08.02.1996
Priority	JP169467	21.07.1994
Application	WO21071995JP95/01453	
Applicant	NIPPON STEEL CORP.	
Inventor	ASAHI, HITOSHI/ HARA, TAKUYA/ KAWAKAMI, AKIRA	
Title	MARTENSITIC STAINLESS STEEL HAVING EXCELLENT HOT WORKABILITY AND SULFIDE STRESS CRACKING RESISTANCE	
Info		
IPC	C22C03844	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0,005-0,05 * SI : 0-0,5 * MN : 0,1-1 * P : 0-0,03 * S : 0-0,005 * MO : 1-3 * CU : 1-4 * NI : 5-8 * AL : 0-0,06 * CR : 11,5-13,1 * TI : 0-0,1 + ZR : 0-0,2 * CA : 0-0,02 + SELTERD :	

	0-0,4 * FE : REST * N : 0-0,043	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	PRODUCTION	HERSTELLUNG
	STRESS-CORROSION-RESIST	SPANNUNGSKORROSIONSBEST
	TENSILE-STRENGTH	ZUGFEST
88	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	US5820703 A	13.10.1998
Priority	JP156494	16.06.1994
Application	US13121996750758	
Applicant	NIPPON STEEL CORP.	
Inventor	SUZUKI, YASUSHI/ OBATA, MASAOKI/ MIYASAKA, AKIHIRO	
Title	PRODUCTION METHOD OF STEEL PIPE EXCELLENT IN CORROSION RESISTANCE AND WELDABILITY	
Info		
IPC	C21D00810	
Composition nr.	1	Composite component -
Composition	[weight-%]: SI : 0,01-1,2 * MN : 0,02-3 * CR : 7,5-14 * AL : 0,005-0,5 * C : 0-0,03 * N : 0-0,02 * P : 0-0,03 * S : 0-0,01 * CU : 0-4 + NI : 0-4 + CO : 0-2 + MO : 0-3 + W : 0-3 + FE : REST * NB + V + TI : 0-1 * REM : 0-0,05 * CA : 0-0,03	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	PRODUCTION	HERSTELLUNG
	WELDABLE	SCHWEISSBAR
89	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	JP07185879 A	25.07.1995
Priority	JP345812	24.12.1993
Application	JP241219935-345812	
Applicant	NIPPON STEEL CORP.	
Inventor	TANAKA, TAKSHI/ SAKURAI, HIDEO/ INOUE, HIROSHIGE UND MITERFINDER	
Title	ELECTRODE WITH FOR HIGH-STRENGTH, HIGHLY CORROSION RESISTANT MARTENSITIC STAINLESS STEEL	

Info		
IPC	B23K03530	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0,01-0,04 * SI : 0,01-0,5 * MN : 0,1-2 * CR : 11-15 * NI : 3,5-7 * MO : 0,7-3 * NB : 0,01-0,2 * V : 0-0,5 * AL : 0-0,03 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	ELECTRODE	ELEKTRODE
	FILLER-MATERIAL	SCHWEISSZUSATZW
	MARTENSITE	MARTENSIT
	TENSILE-STRENGTH	ZUGFEST
	USE	VERWENDUNG
	WIRE	DRAHT
90	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	WO9513405 A	18.05.1995
Priority	JP306105	12.11.1993
Application	WO10111994JP94/01894	
Applicant	NISSHIN STEEL CO.,LTD.	
Inventor	MIYAKUSU, KATSUHISA / ODA, YUKIO / IGAWA, TAKASHI	
Title	HIGH-STRENGTH HIGH-DUCTILITY TWO-PHASE STAINLESS STEEL AND PROCESS FOR PRODUCING THE SAME	
Info		
IPC	C22C03840	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,1 * SI : 0-2 * MN : 0-4 * P : 0-0,04 * S : 0-0,01 * NI : 0-4 * CR : 10-20 * N : 0-0,12 * O : 0-0,02 * CU : 0-4 * AL : 0-0,02 * MO : 0-3 * SELTED : 0-0,2 * Y : 0-0,2 * CA : 0-0,1 * MG : 0-0,1 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	FERRITE	FERRIT
	HARD	HART
	MARTENSITE	MARTENSIT
	PLASTIC	PLASTISCH
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
91	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)

Publication	EP646653 A	05.04.1995
Priority	US132008	05.10.1993
Application	EP2609199494115129.2	
Applicant	UNITED STATES SURGICAL CORP.	
Inventor	RIZK, SAID/ POWERS, WILLIAM/ SAMSEL, SCOTT	
Title	HEAT TREATED STAINLESS STEEL NEEDLES AND METHODS OF MAKING SAME	
Info		
IPC	C21D00926	
Composition nr.	1	Composite component -
Composition	[weight-%]: CR : 10-17 * NI : 4-11 * TI : 0-1,6 * MO : 0-6 * CU : 0-4 * CO : 0-6 * AL : 0-1,1 * NB + TA : 0-0,6 * C + N : 0-0,07 * SI : 0-1 * MN : 0-0,6 * P : 0-0,2 * S : 0-0,04 * FE : REST	
Keywords	(english)	(german)
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	PRECIPITATION-HARDENING	AUSSCHIEDUNGSH
	SURFACE	OBERFLÄCHE
	TENSILE-STRENGTH	ZUGFEST
	USE	VERWENDUNG
	WIRE	DRAHT
92	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	JP07011391 A	13.01.1995
Priority	JP5157464	28.06.1993
Application	JP2806199305157464	
Applicant	NISSHIN STEEL CO. LTD.	
Inventor	HIROTSU, SADA0/ OHASHI, SEIICHI	
Title	HIGH STRENGTH MARTENSITIC STAINLESS STEEL EXCELLENT IN TOUGHNESS	
Info		
IPC	C22C03800	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,08 * SI : 0,5-2 * MN : 0-3 * NI : 6-10 * CR : 12-16 * CU : 0-0,5 * MO : 1-3 * CO : 3-6 * TI : 0,15-0,7 * N : 0-0,015 * S : 0-0,003 * AL : 0-0,3 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	MARTENSITE	MARTENSIT
	PRECIPITATION-HARDENING	AUSSCHIEDUNGSH
	TENSILE-STRENGTH	ZUGFEST
	TOUGH	ZÄH

93	<i>Deutsches Patent- und Markenamt DPMA</i>	<i>12.11.2009 (16:41h)</i>
Publication	JP06306551 A	01.11.1994
Priority	JP5103335	28.04.1993
Application	JP2804199305103335	
Applicant	NIPPON STEEL CORP.	
Inventor	TENTO, MASAYUKI/ TADOKORO, YUTAKA/ SATO, YUICHI UND MITERFINDER	
Title	HIGH STRENGTH MARTENSITIC STAINLESS STEEL AND ITS PRODUCTION	
Info		
IPC	C22C03800	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,029 * SI : 0-0,98 * MN : 0-1,98 * CR : 11-17 * NI : 3,5-7 * N : 0-0,019 * AL : 0,001-0,05 + CA : 0,0005-0,005 * MO : 0-0,4 * NB : 0-0,5 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	TENSILE-STRENGTH	ZUGFEST
	TOUGH	ZÄH
	WELDABLE	SCHWEISSBAR
94	<i>Deutsches Patent- und Markenamt DPMA</i>	<i>12.11.2009 (16:41h)</i>
Publication	FR2700174 A	08.07.1994
Priority	FR9300204	07.01.1993
Application	FR070119939300204	
Applicant	JACQUES GERARD	
Inventor	GERARD, JACQUES	
Title	MATERIAUX ET PROCEDES POUR LA REALISATION DE STRUCTURES PORTEUSES, ET DE LEURS ACCESSOIRES, A HAUTES CARACTERISTIQUES MACANIQUES ET CORROSION, NOTAMMENT DANS LE DOMAINE DU CYCLE	
Info		
IPC	C22C03844	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0,005-0,35 * SI : 0,1-1,5 * MN : 0,1-9 * AL : 0,1-2 * N : 0,005-0,5 * NB : 0,005-1 * TA : 0,005-1 * TI : 0,005-2 * CR : 12-27 * NI : 0,1-20 * MO : 0,1-5 * FE : REST	
Keywords	(english)	(german)
	AUSTENITE	AUSTENIT
	CORROSION-RESISTING	KORROSIONSBEST
	FERRITE	FERRIT

	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	USE	VERWENDUNG
	WIRE	DRAHT
95	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	JP06136490 A	17.05.1994
Priority	JP291830	29.10.1992
Application	JP291019924-291830	
Applicant	NIPPON STEEL CORP	
Inventor	HARA, TAKUYA	
Title	PRODUCTION OF MARTENSITIC STAINLESS STEEL EXCELLENT IN CORROSION RESISTANCE	
Info		
IPC	C22C03858	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,1 * SI : 0-1 * MN : 0-2 * P : 0-0,025 * S : 0-0,015 * CR : 8-14 * NI : 0-4 * CU : 1,2-5 * AL : 0,005-0,2 * N : 0-0,015 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
96	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	JP06128694 A	10.05.1994
Priority	JP274621	13.10.1992
Application	JP131019924-274621	
Applicant	NIPPON STEEL CORP	
Inventor	HARA, TAKUYA	
Title	MARTENITIC STAINLESS STEEL EXCELLENT IN CORROSION RESISTANCE	
Info		
IPC	C22C03800	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,1 * SI : 0-1 * MN : 0-2 * P : 0-0,025 * S : 0-0,15 * CR : 14-18 * NI : 0-6 * CU : 1-5 * AL : 0,005-0,2 * N : 0-0,1 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	MARTENSITE	MARTENSIT

97	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	JP05156409 A	22.06.1993
Priority	JP317021	29.11.1991
Application	JP291119913-317021	
Applicant	NIPPON STEEL CORP.	
Inventor	TENTO, MASAYUKI	
Title	HIGH-STRENGTH MARTENSITE STAINLESS STEEL HAVING EXCELLENT SEA WATER RESISTANCE AND PRODUCTION THEREOF	
Info	TO DEVELOP THE HIGH-STRENGTH MARTENSITE STAINLESS STEEL HAVING EXCELLENT SEA WATER REISTANCE AND WELDABILITY BY HOT ROLLING A STAINLESS STEEL BILLET HAVING A SPECIFIC COMPSN., THEN HARDENING AND TEMPERING THIS STAINLESS STEEL	
IPC	C22C03800	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,03 * SI : 0-1 * MN : 0-2 * CR : 11-15 * NI : 2-7 * MO : 2,01-4 * N : 0-0,02 * NB : 0-0,5 + V : 0-0,5 + AL : 0-0,05 + CA : 0-0,005 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	HARD	HART
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	WELDABLE	SCHWEISSBAR
98	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	JP05112850 A	07.05.1993
Priority	JP97693	26.04.1991
Application	JP260419913-97693	
Applicant	NIPPON STEEL CORP.	
Inventor	SHIMADA, TETSUYA	
Title	PRECIPITATION HARDENING MARTENSITIC STAINLESS STEEL EXCELLENT IN WORKABILITY	
Info	TO OBTAIN PRECIPITATION HARDENING MARTENSITIC STAINLESS STEEL EXCELLENT IN WORKABILITY BY SPECIFYING A COMPSN. CONSTITUTED OF C, SI, MN, CR, NI, CU AND FE AND PRESCRIBING THE CALCULATED VALUE OF FERRITE DELTA AND THE CONTENT OF H	
IPC	C22C03800	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,1 * SI : 0-1 * MN : 0-1 * CR : 13-20 * NI : 3-8 * CU : 1-5 & MO + TI + AL : 0-1 * H : 0-0,0002 * FE : REST	
Keywords	(english)	(german)

	FERRITE	FERRIT
	MARTENSITE	MARTENSIT
	PRECIPITATION-HARDENING	AUSSCHIEDUNGSH
99	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	EP481377 A	22.04.1992
Priority	JP275423	16.10.1990
Application	EP1110199191117408.4	
Applicant	NISSHIN STEEL CO., LTD.	
Inventor	IGAWA, TAKASHI/ UEMATSU, YOSHIHIRO/ TAKEMOTO, TOSHIHIKO	
Title	PROCESS FOR PRODUCING HIGH-STRENGTH STAINLESS STEEL STRIP	
Info		
IPC	C21D00802D	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : (0)-0,15 * SI : (0)-6 * MN : (0)-10 * NI : (0)-8 * CR : 10-17 * N : (0)-0,3 * MO : 0-4 * CO : 0-4 * CU : 0-4 * TI + AL + NB + V + ZR : 0-1 * FE : REST	
Keywords	(english)	(german)
	AUSTENITE	AUSTENIT
	CORROSION-RESISTING	KORROSIONSBEST
	FERRITE	FERRIT
	HEAT-RESISTANT	HITZEBEST
	MARTENSITE	MARTENSIT
	TENSILE-STRENGTH	ZUGFEST
	USE	VERWENDUNG
100	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	EP481378 A	22.04.1992
Priority	JP275422	16.10.1990
Application	EP1110199191117409.2	
Applicant	NISSHIN STEEL CO., LTD.	
Inventor	IGAWA, TADASHI/ UEMATSU, YOSHIHIRO/ TAKEMOTO, TOSHIHIKO	
Title	PROCESS FOR PRODUCING HIGH STRENGTH STEEL BELT	
Info		
IPC	B21B00500	
Composition nr.	1	Composite component -
Composition	[weight-%]: CR : 10-17 * C : (0)-0,15 * NI : (0)-8 * SI : (0)-6 * MN : (0)-10 * N : (0)-0,3 * FE : REST * MO : 0-4 * CU : 0-4 * CO : 0-4 * TI + AL + NB + V + ZR + B + SELTERD : 0-1	
Keywords	(english)	(german)

	AUSTENITE	AUSTENIT
	CORROSION-RESISTING	KORROSIONSBEST
	FERRITE	FERRIT
	FINE-GRAINED	FEINKÖRNIG
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
	USE	VERWENDUNG
	WELDABLE	SCHWEISSBAR
101	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	US5116570 C	26.05.1992
Priority	KR15019	21.09.1990
Application	US12091991758637	
Applicant	KOREA ADVANCED INSTITUTE OF SCIENCE AND TECHNOLOGY	
Inventor	KIM, YOUNG/ HONG, SOON/ SEOK, JIN	
Title	STAINLESS MARAGING STEEL HAVING HIGH STRENGTH, HIGH TOUGHNESS AND HIGH CORROSION RESISTANCE AND ITS MANUFACTURING PROCESS	
Info		
IPC	C22C03844	
Composition nr.	1	Composite component -
Composition	[weight-%]: CR : 8-12 * NI : 7-12 * W : 2-6 * AL : 0,1-0,5 * TI : 0,1-0,4 * C + SI + MN : 0-2,22 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	PLASTIC	PLASTISCH
	PRECIPITATION-HARDENING	AUSSCHIEDUNGSH
	PRODUCTION	HERSTELLUNG
	STRESS-CORROSION-RESIST	SPANNUNGSKORROSIONSBEST
	TENSILE-STRENGTH	ZUGFEST
	TOUGH	ZÄH
102	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	EP474530 A	11.03.1992
Priority	FR9010828	30.08.1990
	EP1208199191402232.2	

Application		
Applicant	USINE SAVOIE	
Inventor	HAUSER, JEAN-MICHEL	
Title	PROCEDE D'ELABORATION DE PRODUITS A TRES HAUTE CHARGE A LA RUPTURE A PARTIR D'UN ACIER AUSTENIQUE INSTABLE, ET PRODUITS EN RESULTANT	
Info		
IPC	C21D00800	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0,01-0,15 * CR : 13-23 * NI : 5-13 * MN : 0,2-2,5 * SI : 0,2-3 * N : 0,01-0,15 * FE : REST * AL : 0-2 * MO : 0-2	
Keywords	(english)	(german)
	AUSTENITE	AUSTENIT
	MARTENSITE	MARTENSIT
	TENSILE-STRENGTH	ZUGFEST
103	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	DE4039538 A	13.06.1991
Priority	JP318952	11.12.1989
Application	DE11121990P4039538.3	
Applicant	KAWASAKI STEEL CORP.	
Inventor	OKA, YUTAKA/ MATSUMOTO, SHIGETO/ UCHIDA, KIYOSHI	
Title	HOCHFESTER MARTENSITISCHER ROSTFREIER STAHL UND VERFAHREN ZU SEINER HERSTELLUNG	
Info	C*N < 0,05	
IPC	C22C03844	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0,005-0,04 * SI : 0-1 * MN : 0-2 * CR : 12-17 * NI : 3-6 * MO : 0,1-1,5 * V : 0,02-0,5 * N : 0,005-0,02 * FE : REST * NB : 0-0,5 + CU : 0-2 * AL : 0-0,01 * P : 0-0,025 * S : 0-0,004 * O : 0-0,00	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	FATIGUE-RESISTING	SCHWINGFEST
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	PLASTIC	PLASTISCH
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
	TOUGH	ZÄH
	USE	VERWENDUNG

	WELDABLE	SCHWEISSBAR
104	<i>Deutsches Patent- und Markenamt DPMA</i>	<i>12.11.2009 (16:41h)</i>
Publication	JP03180448 A	06.08.1991
Priority	JP318952	11.12.1989
Application	JP1112198964-318952	
Applicant	KAWASAKI STEEL CORP.	
Inventor	OKA, YUTAKA	
Title	HIGH STRENGTH MARTENSITIC STAINLESS ROLLED STEEL SHEET HAVING EXCELLENT FATIGUE RESISTANCE IN CORROSIVE AND EROSIVE ENVIRONMENT	
Info	TO OBTAIN THE HIGH STRENGTH MARTENSITIC STAINLESS STEEL SHEET HAVING XCELLENT FATIGUE RESISTANCE BY SPECIFYING A COMPSN. CONSTITUTED OF C, SI, MN, CR, NI, MO, V, NB, AL, N AND FE AND REGULATING NON-METALLIC INCLUSIONS THEREIN	
IPC	C22C03800	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,05 * SI : 0-1 * MN : 0-2 * CR : 12-17 * NI : 1,5-6,5 * MO : 0,2-2 * V : 0,01-0,5 + NB : 0,01-0,5 * AL : 0,005-0,025 * N : 0-0,01 * CU : 0-5 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	FATIGUE-RESISTING	SCHWINGFEST
	MARTENSITE	MARTENSIT
	TENSILE-STRENGTH	ZUGFEST
	USE	VERWENDUNG
105	<i>Deutsches Patent- und Markenamt DPMA</i>	<i>12.11.2009 (16:41h)</i>
Publication	JP03120337 A	22.05.1991
Priority	JP258320	03.10.1989
Application	JP0310198964-258320	
Applicant	SUMITOMO METAL IND LTD.	
Inventor	KONDO, KUNIO	
Title	MARTENSITIC STAINLESS STEEL AND ITS MANUFACTURE	
Info	CR*MO > 11 *TO OBTAIN THE MARTENSITIC STAINLESS STEEL FOR OIL WELL USE HAVING EXCELLENT SULPHIDE STRESS CORROSION CRACKING PROPERTIES BY SUBJECTINGA STEEL CONTG. SPECIFIED C, SI, MN, P, S, CR, MO, NI, AL AND N TO HOT FORMING AND THEREAFTER COOLING THE STEEL	
IPC	C22C03800	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,05 * SI : 0-1 * MN : 0-0,5 * P : 0-0,04 * S : 0-0,002 * CR : 8-15 * MO : 1,5-7	

	* NI : 2-8 * AL : 0,001-0,1 * N : 0-0,1 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	MARTENSITE	MARTENSIT
	PRODUCTION	HERSTELLUNG
	STRESS-CORROSION-RESIST	SPANNUNGSKORROSIONSBEST
	USE	VERWENDUNG
106	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	JP02243740 A	27.09.1990
Priority	JP62699	15.03.1989
Application	JP1503198964-62699	
Applicant	SUMITOMO METAL IND LTD.	
Inventor	KONDO, KUNIO	
Title	MARTENSITIC STAINLESS STEEL MATERIAL FOR OIL WELL AND ITS MANUFACTURE	
Info	CR*MO > 10,5*TO EASILY OBTAIN THE STEEL MATERIAL HAVING SUFFICIENT CORROSION RESISTANCE, GOOD STRENGTH AND EXCELLENT SULPHIDE STRESS CORROSION CRACKING PROPERTIES EVEN IN AN OIL WELL ENVIRONMENT WITH INDUSTRIAL STABILITY BY SUBJECTING A STAINLESS STEEL HAVING LIMITED COMPSN. TO HOT WORKING AND THEREAFTER TO RAPID COOLING OR GRADUAL COOLING	
IPC	C22C03800	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,05 * SI : 0-1 * MN : 0,5-3 * P : 0-0,04 * S : 0-0,005 * CR : 9-15 * MO : 0,1-7 * NI : 2-8 * AL : 0,001-0,1 * N : 0-0,1 * TI : 0-0,5 + NB : 0-0,5 + V : 0-0,5 + ZR : 0-0,5 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	PRODUCTION	HERSTELLUNG
	STRESS-CORROSION-RESIST	SPANNUNGSKORROSIONSBEST
	TENSILE-STRENGTH	ZUGFEST
	USE	VERWENDUNG
107	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	EP384317 A	29.08.1990
Priority	JP38956	18.02.1989
Application	EP1602199090103026.2	
Applicant	NIPPON STEEL CORP.	

Inventor	MIYASAKA, AKIHIRO/ OGAWA, HIROYUKI	
Title	MARTENSITIC STAINLESS STEEL AND METHOD OF HEAT TREATMENT OF THE STEEL	
Info		
IPC	C21D00600	
Composition nr.	1	Composite component -
Composition	{weight-%}: C : 0-0,1 * SI : 0-1 * MN : 0-2 * P : 0-0,025 * S : 0-0,015 * CR : 8-14 * CU : 1,2-4,5 * AL : 0,005-0,2 * N : 0,01-0,15 * NI : 0-4 * MO : 0-2 * W : 0-4 * V : 0-0,5 * TI : 0-0,2 * NB : 0-0,5 * ZR : 0-0,2 * TA : 0-0,2 * HF : 0-0,2 * CA : 0-0,008 * SELTERD : 0-0,02 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	TENSILE-STRENGTH	ZUGFEST
	USE	VERWENDUNG
108	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	EP330752 A	06.09.1989
Priority	JP48397	29.02.1988
Application	EP1512198888121043.9	
Applicant	KABUSHIKI KAISHA KOBE SEIKO SHO	
Inventor	YUTORI, TOSHIAKI/ KATUMATA, MASAOKI/ KOIDE, KENJI UND MITERFINDER	
Title	SUPERHIGH-STRENGTH SUPERFINE WIRE, AND REINFORCING MATERIALS AND COMPOSITE MATERIALS INCORPORATING THE SAME	
Info		
IPC	C21D00806	
Composition nr.	1	Composite component b
Composition	Composite material [%]: PLATTIERUNG * KERN Component a [weight-%]: NI + CU + ZN + AL + CR + TI + AG + AU + PT + ORGANISCH : 100 Component b [weight-%]: C : 0,01-0,5 * SI : 0-1,5 * MN : 0-5 * H : 0-0,0001 * NB + V + TI : 0-0,5 * S : 0-0,005 * P : 0-0,01 * N : 0-0,03 * AL : 0-0,01 * CR : 0-18 * CU : 0-2 * MO : 0-2 * NI : 0-8 * B : 0-0,02 * FE : REST	
Keywords	(english)	(german)
	CLADDING-MATERIAL	PLATTIERW
	CORROSION-RESISTING	KORROSIONSBEST
	FATIGUE-RESISTING	SCHWINGFEST
	MARTENSITE	MARTENSIT
	TENSILE-STRENGTH	ZUGFEST
	TOUGH	ZÄH

109	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	EP330752 A	06.09.1989
Priority	JP48397	29.02.1988
Application	EP1512198888121043.9	
Applicant	KABUSHIKI KAISHA KOBE SEIKO SHO	
Inventor	YUTORI, TOSHIAKI/ KATUMATA, MASAOKI/ KOIDE, KENJI UND MITERFINDER	
Title	SUPERHIGH-STRENGTH SUPERFINE WIRE, AND REINFORCING MATERIALS AND COMPOSITE MATERIALS INCORPORATING THE SAME	
Info		
IPC	C21D00806	
Composition nr.	2	Composite component -
Composition	[weight-%]: C : 0,01-0,5 * SI : 0-1,5 * MN : 0-5 * H : 0-0,0001 * NB + V + TI : 0-0,5 * S : 0-0,005 * P : 0-0,01 * N : 0-0,03 * AL : 0-0,01 * CR : 0-18 * CU : 0-2 * MO : 0-2 * NI : 0-8 * B : 0-0,02 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	FATIGUE-RESISTING	SCHWINGFEST
	MARTENSITE	MARTENSIT
	TENSILE-STRENGTH	ZUGFEST
	TOUGH	ZÄH
	USE	VERWENDUNG
110	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	JP01172524 A	07.07.1989
Priority	JP329983	28.12.1987
Application	JP2812198762-329983	
Applicant	NISSHIN STEEL CO LTD	
Inventor	TANAKA, TERUO	
Title	PRODUCTION OF COMPLEX PHASE STRUCTURE CHROMIUM STAINLESS STRIP HAVING EXCELLENT CORROSION RESISTANCE AND HIGH DUCTILITY AND STRENGTH	
Info	C*N:0,01-0,2	
IPC	C21D00952	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,15 * SI : 0-2 * MN : 0-4 * P : 0-0,04 * S : 0-0,01 * NI : 0-4 * CR : 10-20 * N : 0-0,12 * O : 0-0,02 * CU : 0-0,4 * MO : 1-2,5 * AL : 0-0,2 + B : 0-0,005 + SELTED : 0-0,1 + Y : 0-0,2 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST

	FERRITE	FERRIT
	HARD	HART
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	PLASTIC	PLASTISCH
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
111	<i>Deutsches Patent- und Markenamt DPMA</i>	12.11.2009 (16:41h)
Publication	JP63210234 A	31.08.1988
Priority	JP43156	27.02.1987
Application	JP2702198762-43156	
Applicant	NISSHIN STEEL CO LTD	
Inventor	TANAKA, TERUO	
Title	MANUFACTURE OF HIGH-STRENGTH STAINLESS STEEL STOCK EXCELLENT IN WORKABILITY AND FREE FROM SOFTENING BY WELDING	
Info		
IPC	C21D00600	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,1 * SI : 0-4,5 * MN : 0-5 * P : 0-0,06 * S : 0-0,03 * CR : 10-17 * NI : 3-10 * N : 0-0,1 * FE : REST * CU + MO + W + CO : 0-2,22 * TI + NB + V + ZR + AL + B + TA : 0-2,22	
Keywords	(english)	(german)
	AUSTENITE	AUSTENIT
	CORROSION-RESISTING	KORROSIONSBEST
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
	WELDABLE	SCHWEISSBAR
112	<i>Deutsches Patent- und Markenamt DPMA</i>	12.11.2009 (16:41h)
Publication	JP63210242 A	31.08.1988
Priority	JP43157	27.02.1987
Application	JP2702198762-43157	
Applicant	NISSHIN STEEL CO., LTD.	
Inventor	TANAKA, TERUO	
Title	MANUFACTURE OF HIGH-STRENGTH STAINLESS STEEL STOCK EXCELLENT IN WORKABILITY AND FREE FROM SOFTENING BY WELDING	

Info	TO MANUFACTURE A HIGH-STRENGTH STAINLES STEEL STOCK EXCELLENT IN WORKABILITY AND FREE FROM DETERIORATION IN STRENGTH IN A WELD ZONE, BY SUBJECTING A STEEL IN WHICH COMPOSITION AND NI EQUIVALENT VALUE ARE SPECIFIED TO COLD ROLLING AND THEN TO HEAT TREATMENT UNDER SPECIFIC CONDITIONS	
IPC	C21D00946	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,1 * SI : 0-4,5 * MN : 0-5 * P : 0-0,06 * S : 0-0,03 * CR : 10-17 * NI : 3-10 * N : 0-0,1 * FE : REST * CU + MO + W + CO : 0-2,22 * TI + NB + V + ZR + AL + B + TA : 0-2,22	
Keywords	(english)	(german)
	AUSTENITE	AUSTENIT
	CORROSION-RESISTING	KORROSIONSBEST
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	PLASTIC	PLASTISCH
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
	WELDABLE	SCHWEISSBAR
113	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	EP273279 A	06.07.1988
Priority	JP311961	30.12.1986
Application	EP1112198787118422.2	
Applicant	NISSHIN STEEL CO., LTD.	
Inventor	TANAKA, TERUO/ MIYAKUSU, KATSUHISA/ FUJIMOTO, HIROSHI	
Title	PROCESS FOR THE PRODUCTION OF A STRIP OF A CHROMIUM STAINLESS STEEL OF A DUPLEX STRUCTURE HAVING HIGH STRENGTH AND ELONGATION AS WELL AS REDUCED PLANE ANISOTROPY	
Info	C*N:0,01-0,2*NI*MN*CU:0,5-5	
IPC	C21D00802	
Composition nr.	1	Composite component -
Composition	[weight-%]: CR : 10-20 * C : 0-0,1 * N : 0-0,12 * SI : 0-2 * MN : 0-4 * NI : 0-4 * CU : 0-4 * P : 0-0,04 * S : 0-0,03 * AL : 0-0,2 * MO : 0-2,5 * O : 0-0,02 * B : 0-0,005 * SELTED : 0-0,1 * Y : 0-0,2 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	HARD	HART
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	PLASTIC	PLASTISCH

	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
114	<i>Deutsches Patent- und Markenamt</i> DPMA	12.11.2009 (16:41h)
Publication	JP63057745 A	12.03.1988
Priority	JP201071	27.08.1986
Application	JP2708198661-201071	
Applicant	NISSHIN STEEL CO., LTD.	
Inventor	UTSUNOMIYA, TAKESHI	
Title	HIGH-STRENGTH STAINLESS STEEL EXCELLENT IN WORKABILITY	
Info	TO OBTAIN HIGH STRENGTH AS WELL AS HIGH WORKABILITY AFTER AGING TREATMENT, BY INCORPORATING SPECIFIC AMOUNTS OF C, SI MN, NI, CR, AND NB TO A HIGH-STRENGTH STAINLESS STEEL AND FURTHER BY INCORPORATING SPECIFIC AMOUNTS OF TI, ZR, NB, ETC., TO THE ABOVE	
IPC	C22C03850	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,08 * SI : 0,5-5 * MN : 0-1 * NI : 4-9 * CR : 12-20 * N : 0-0,03 * TI : 0,1-2 + ZR : 0,1-2 + NB : 0,1-2 + TA : 0,1-2 + AL : 0,1-2 + CU : 0,2-3 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	FERRITE	FERRIT
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	PRECIPITATION-HARDENING	AUSSCHIEDUNGSH
	TENSILE-STRENGTH	ZUGFEST
115	<i>Deutsches Patent- und Markenamt</i> DPMA	12.11.2009 (16:41h)
Publication	EP257780 A	02.03.1988
Priority	US898487	21.08.1986
Application	EP2007198787306418.2	
Applicant	CRUCIBLE MATERIALS CORP	
Inventor	HASWELL, WALTER/ PINNOW, KENNETH/ RHODES, GEOFFREY UND MITERFINDER	
Title	AGE-HARDENABLE STAINLESS STEEL	
Info		
IPC	C22C03842	
Composition nr.	1	Composite component -
Composition	[weight-%]: C * N : 0-0,08 * MN : 0-8 * P : 0-0,04 * S : 0-0,15 * SI : 0-1 * NI : 2-5,5 * CR : 11-	

	17,5 * MO : 0-3 * CU : 2-5 * NB : 0-1,2 * AL : 0-0,05 * BE : 0-0,5 * B : 0-0,01 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MACHINEABLE	ZERSPANBAR
	MARTENSITE	MARTENSIT
	PRECIPITATION-HARDENING	AUSSCHIEDUNGSH
	STRESS-CORROSION-RESIST	SPANNUNGSKORROSIONSBEST
	USE	VERWENDUNG
116	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	DE3628862 A	12.03.1987
Priority	JP186605	27.08.1985
Application	DE26081986P3628862	
Applicant	NISSHIN STEEL CO., LTD.	
Inventor	HOSHINO, KAZUO/ IGAWA, TAKASHI	
Title	VERFAHREN ZUR HERSTELLUNG VON STAHL	
Info		
IPC	C21D00802	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,1 * SI : 0,2-4,5 * MN : 0,2-5 * P : 0-0,06 * S : 0-0,03 * CR : 10-17 * NI : 3-8 * N : 0,005-0,1 * CU + MO + W + CO : 0-4 * TI + NB + V + ZR + AL + B : 0-1 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	PLASTIC	PLASTISCH
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
	WELDABLE	SCHWEISSBAR
117	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	GB2179675 A	11.03.1987
Priority	JP186605	27.08.1985
Application	GB270819868620720	
Applicant	NISSHIN STEEL CO., LTD.	
Inventor	HOSHINO, KAZUO/ IGAWA, TAKASHI	
Title	PROCESS FOR PREPARING A HIGH STRENGTH STAINLESS STEEL MATERIAL HAVING EXCELLENT WORKABILITY AND FREE FROM WELD SOFTENING	

Info		
IPC	C22C03840	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,1 * SI : 0,2-4,5 * MN : 0,2-5 * P : 0-0,06 * S : 0-0,03 * CR : 10-17 * NI : 3-8 * N : 0-0,1 * CU + MO + W + CO : 0-4 * TI + NB + V + ZR + AL + B : 0-1 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	PLASTIC	PLASTISCH
	TENSILE-STRENGTH	ZUGFEST
	WELDABLE	SCHWEISSBAR
118	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	DE3619706 A	02.01.1987
Priority	JP137502	24.06.1985
Application	DE12061986P3619706	
Applicant	NISSHIN STEEL CO., LTD.	
Inventor	HOSHINO, KAZUO/ SADAU, NAKAMURA/ SADAYUKI, YAMAGUCHI	
Title	HOCHFESTER NICHTTROTENDER STAHL	
Info	C*N: > 0,1	
IPC	C22C03840	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,1 * SI : 1-3 * MN : 0-0,5 * NI : 4-8 * CR : 12-18 * CU : 0,5-3,5 * N : 0-0,15 * S : 0-0,004 * FE : REST * AL : 0-0,02 * TI : 0-0,02 * P : 0-0,04 * CA : 0-0,01 * SELTED : 0-0,02	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	HARD	HART
	MARTENSITE	MARTENSIT
	PLASTIC	PLASTISCH
	SPRINGS	FEDERN
	TENSILE-STRENGTH	ZUGFEST
	TOUGH	ZÄH
119	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	GB2177113 A	14.01.1987
Priority	JP137502	24.06.1985
Application	GB200619868615119	

Applicant	NISSHIN STEEL CO., LTD.	
Inventor	HOSHINO, KAZUO/ HIROTSU, SADAO/ NAKAMURA, SADAYUKI	
Title	HIGH STRENGTH STAINLESS STEEL	
Info		
IPC	C22C03842	
Composition nr.	1	Composite component -
Composition	{weight-%}: C : 0-0,1 * SI : 1-3 * MN : 0-0,5 * NI : 4-8 * CR : 12-18 * CU : 0,5-3,5 * N : 0-0,15 * S : 0-0,004 * FE : REST * AL : 0-0,02 * TI : 0-0,02 * P : 0-0,04 * CA : 0-0,01 * SELTERD : 0-0,02	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	CUTTING-EDGE-HOLDING-PR	SCHNEIDHALTIG
	MARTENSITE	MARTENSIT
	PLASTIC	PLASTISCH
	PRECIPITATION-HARDENING	AUSSCHIEDUNGSH
	SPRINGS	FEDERN
	TENSILE-STRENGTH	ZUGFEST
	TOOL	WERKZEUG
	TOUGH	ZÄH
120	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	JP60177134 AA	11.09.1985
Priority	JP59-32656	24.02.1984
Application	JP2402198459-32656	
Applicant	NITSUSHIN SEIKOU K.K.	
Inventor	HOSHINO, KAZUO	
Title	PRODUCTION OF STAINLESS STEEL BLADE	
Info		
IPC	C21D00918	
Composition nr.	1	Composite component -
Composition	{weight-%}: C : 0-0,08 * N : 0-0,03 * SI : 1-5 * MN : 0-1 * NI : 5-9 * CR : 10-17 * CU : 0-2,5 * TI : 0,1-2 * NB : 0,1-2 * AL : 0,01-2 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	CUTTING-EDGE-HOLDING-PR	SCHNEIDHALTIG
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	PRECIPITATION-HARDENING	AUSSCHIEDUNGSH

121	<i>Deutsches Patent- und Markenamt DPMA</i>	<i>12.11.2009 (16:41h)</i>
Publication	JP60152660 A	10.08.1985
Priority	JP8564	23.01.1984
Application	JP2301198459-8564	
Applicant	NITSUSHIN SEIKOU K.K.	
Inventor	HOSHINO, KAZUO	
Title	PRECIPITATION HARDENING MARTENSITIC STAINLESS STEEL	
Info	SI. (TI+0,8NB+AL) MAX. 10*TO OBTAIN THE TITLED STAINLESS STEEL HAVING SUPERIOR TOUGHNESS AND ENABLING REDUCTION IN AGING TIME BY ADDING SPECIFIED PERCENTAGES OF C, N, SI, MN, NI AND CR AND REGULATING THE AMOUNT OF TI, NB OR AL CONTAINED	
IPC	C22C03850	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,08 * SI : 1-5 * MN : 0-1 * N : 0-0,03 * CR : 10-17 * NI : 5-9 * CU : 0-2,5 * TI : 0,1-2 + NB : 0,1-2 + AL : 0,01-2 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	PRECIPITATION-HARDENING	AUSSCHIEDUNGSH
	TENSILE-STRENGTH	ZUGFEST
	TOUGH	ZÄH
122	<i>Deutsches Patent- und Markenamt DPMA</i>	<i>12.11.2009 (16:41h)</i>
Publication	DE3427602 A	21.02.1985
Priority	JP143587	05.08.1983
Application	DE26071984P3427602	
Applicant	NISSHIN STEEL CO., LTD.	
Inventor	UTSUNOMIYA, TAKESHI/ HOSHINO, KAZUO/ HIROTSU, SADAO	
Title	NICTROSTENDER, AUSSCHIEDUNGSHAERTBARER MARTENSITSTAHL	
Info		
IPC	C22C03858	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,08 * SI : 0,5-4 * MN : 0-4 * NI : 5-9 * CR : 10-17 * MO : 0,3-2,5 * TI : 0,15-1 * AL : 0-1 * N : 0-0,03 * FE : REST * CU : 0-2,5	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	HARD	HART
	MARTENSITE	MARTENSIT

	PRECIPITATION-HARDENING	AUSSCHIEDUNGSH
	SPRINGS	FEDERN
	TENSILE-STRENGTH	ZUGFEST
	TOUGH	ZÄH
123	<i>Deutsches Patent- und Markenamt DPMA</i>	<i>12.11.2009 (16:41h)</i>
Publication	FR2550226 A	08.02.1985
Priority	JP143587	05.08.1983
Application	FR030819848412338	
Applicant	NISSHIN STEEL CO., LTD.	
Inventor	UTSUNOMIYA, TAKESHI/ HOSHINO, KAZUO/ HIROTSU, SADA0	
Title	ACIER INOXYDABLE MARTENSITIQUE SUSCEPTIBLE DE DURCISSEMENT STRUCTURAL	
Info		
IPC	C22C03858	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : (0)-0,08 * SI : 0,5-4 * MN : (0)-4 * NI : 5-9 * CR : 10-17 * MO : 0,3-2,5 * TI : 0,15-1 * AL : 0-1 * N : 0-0,03 * P + S : 0-0,33 * FE : REST * CU : 0-2,5	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	HARD	HART
	MARTENSITE	MARTENSIT
	TENSILE-STRENGTH	ZUGFEST
	USE	VERWENDUNG
124	<i>Deutsches Patent- und Markenamt DPMA</i>	<i>12.11.2009 (16:41h)</i>
Publication	GB2145734 A	03.04.1985
Priority	JP143587	05.08.1983
Application	GB020819848419688	
Applicant	NISSHIN STEEL CO., LTD.	
Inventor	UTSUNOMIYA, TAKESHI/ HOSHINO, KAZUO/ HIROTSU, SADA0	
Title	MARTENSITIC PRECIPITATION-HARDENABLE STAINLESS STEEL	
Info		
IPC	C22C03850	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,08 * SI : 0,5-4 * MN : 0-4 * NI : 5-9 * CR : 10-17 * MO : 0,3-2,5 * TI : 0,15-1 * AL : 0-1 * N : 0-0,03 * CU : 0-2,5 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST

	HARD	HART
	MARTENSITE	MARTENSIT
	PRECIPITATION-HARDENING	AUSSCHIEDUNGSH
	TENSILE-STRENGTH	ZUGFEST
	TOUGH	ZÄH
125	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	EP105864 A	18.04.1984
Priority	AT3457	15.09.1982
Application	EP1409198383890162.7	
Applicant	VOEST-ALPINE AG.	
Inventor	AUGUSTIN, HUBERT/ PIRKER, ROBERT	
Title	HERZSTUECK, INSBESONDERE HERZSTUECKSPITZE, FUER SCHIENENKREUZUNGEN ODER -WEICHEN, SOWIE VERFAHREN ZU SEINER HERSTELLUNG	
Info		
IPC	C22C03808	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0,01-0,05 * SI : 0,01-0,2 * MN : 0,01-0,2 * CO : 0-15 * MO : 1,5-6 * NI : 7-20 * TI : 0,1-1 * CR : 0-13 * AL : 0-0,2 * B : 0-0,1 * ZR : 0-0,1 * FE : REST	
Keywords	(english)	(german)
	CLADDING-MATERIAL	PLATTIERW
	FILLER-MATERIAL	SCHWEISSZUSATZW
	MARTENSITE	MARTENSIT
	TENSILE-STRENGTH	ZUGFEST
	TOUGH	ZÄH
	WEAR/TEAR	VERSCHLEISS
	WELDABLE	SCHWEISSBAR
126	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	JP57106493 A	02.07.1982
Priority	JP182731	25.12.1980
Application	JP2512198055-182731	
Applicant	KAWASAKI SEITETSU K.K.	
Inventor	YOSHIOKA, KEIICHI	
Title	MARTINSITE STAINLESS STEEL WELDING MATERIAL	
Info	TO OBTAIN A WELDED METALLIC JOINT AND A WELDING MATERIAL OF EXCELLENT WORKABILITY BY MAKING A WELDING MATERIAL FOR A LOW CARBON AND NITROGEN MARTENSITE STAINLESS STEEL PLATE, A MARTENSITE STAINLESS STEEL OF SPECIFIED COMPOSITION	
IPC	B23K03530	

Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,03 * N : 0-0,03 * SI : 0-0,5 * MN : 0,5-3 * CU : 0-1 * NI : 0,5-6 * CR : 10-16 * AL : 0,05-0,3 * NB : 0-0,3 * SELTERD : 0-0,1 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	FILLER-MATERIAL	SCHWEISSZUSATZW
	MARTENSITE	MARTENSIT
	TOUGH	ZÄH
	USE	VERWENDUNG
	WIRE	DRAHT
127	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	DE2935284 A	12.03.1981
Priority	DE2935284	31.08.1979
Application	DE31081979P2935284	
Applicant	KAWASAKI STEEL CORP.	
Inventor	SHIMOMURA,JUNICHI/NOHARA,KOYOHICO/ONO,YUTAKA UND MITERFINDER	
Title	VERFAHREN ZUM HERSTELLEN NICHTROSTENDER FEDERSTAEHLE MIT HOHER FESTIGKEIT UND AUSGEZEICHNETER DAUERFESTIGKEIT	
Info		
IPC	18C00C21D00900200	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,15 * SI : 0,3-2 * MN : 0,5-2 * NI : 6-14 * CR : 13-20 * AL : 0-1,5 * MO : 0-2 * CU : 0-3 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	CREEP-RESIST/STABILITY	STANDFEST
	ELASTIC	ELASTISCH
	FATIGUE-RESISTING	SCHWINGFEST
	HARD	HART
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	SPRINGS	FEDERN
	TENSILE-STRENGTH	ZUGFEST
128	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	US4265679 C	05.05.1981
Priority	US69050	23.08.1979
Application	US2308197969050	

Applicant	KAWASAKI STEEL CORP./NIPPON KINZOKU CO., LTD.	
Inventor	OHASHI, NOBUO/ONO, YUTAKA/NOHARA, KIYOHKI UND MITERFINDER	
Title	PROCESS FOR PRODUCING STAINLESS STEELS FOR SPRING HAVING A HIGH STRENGTH AND AN EXCELLENT FATIGUE RESISTANCE	
Info		
IPC	C21D00700200	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : (0)-0,15 * SI : 0,3-2 * MN : 0,5-2 * NI : 6-14 * CR : 13-20 * AL : 0-1,5 + MO : 0-2 + CU : 0-3 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	FATIGUE-RESISTING	SCHWINGFEST
	HARD	HART
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	PRODUCTION	HERSTELLUNG
	SPRINGS	FEDERN
129	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	GB2056352 A	18.03.1981
Priority	GB7929007	21.08.1979
Application	GB210819797929007	
Applicant	KAWASAKI STEEL CORP.	
Inventor	OHASHI,NOBUO/ONO,YUTAKA/NOHARA,KIYOHKO UND MITERFINDER	
Title	A PROCESS FOR PRODUCING STAINLESS STEELS FOR SPRINGS	
Info		
IPC	C21D00900200	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : (0)-0,15 * SI : 0,3-2 * MN : 0,5-2 * NI : 6-14 * CR : 13-20 * AL : 0-1,5 * MO : 0-2 * CU : 0-3 * FE : REST	
Keywords	(english)	(german)
	FATIGUE-RESISTING	SCHWINGFEST
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	PRODUCTION	HERSTELLUNG
	SPRINGS	FEDERN
	TENSILE-STRENGTH	ZUGFEST
130	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)

Publication	GB1459915 C	31.12.1976
Priority	SE7308126	08.06.1973
Application	GB0706197425488/74	
Applicant	SANDVIK AB.	
Inventor		
Title	HIGH STRENGTH STAINLESS STEEL	
Info		
IPC	40B00C22C03804000	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0,01-0,2 * SI : 0-5 * MN : 0-10 * CR : 13-20 * NI : 3-10 * MO : 0-2,5 * AL : 0-2,5 * S + P + N : 0-0,33 * FE : REST	
Keywords	(english)	(german)
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	PLASTIC	PLASTISCH
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
131	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	US3723101 C	27.03.1973
Priority	US46443	15.06.1970
Application	US1506197046443	
Applicant	AIRCO INC.	
Inventor	HUNT,CHARLES	
Title	IRON BASE ALLOYS HAVING LOW LEVELS OF VOLATILE METALLIC IMPURITIES	
Info		
IPC	40B00C22C03801800	
Composition nr.	1	Composite component -
Composition	[weight-%]: CR : 4-40 * NI : 0-15 * C + N : (0)-0,07 * PB + BI + CD + AG + CA + MG + BA + NA + K : 0-0,0006 * ZN + SB : 0-0,002 * FE : REST * AL : 0-6 * MO : 0-2,2 * MN : 0-1,54 * SI : 0-1,06 * TI : 0-0,56 * V : 0-0,4 * W : 0-0,1 * O : 0-0,0012 * S : 0-0,024 * P : 0-0,035 * ZR : 0-0,16	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	MARTENSITE	MARTENSIT
	PLASTIC	PLASTISCH
	STRESS-CORROSION-RESIST	SPANNUNGSKORROSIONSBEST
	TENSILE-STRENGTH	ZUGFEST

	TOUGH	ZÄH
132	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	DE1962504 B	04.02.1971
Priority	JP91385	14.12.1968
Application	DT12121969P1962504	
Applicant	MITSUBISHI JUKOGYO K.K.	
Inventor	ODA,TEISHIRO	
Title	VERFAHREN ZUR WAERMEBEHANDLUNG VON STAHL	
Info		
IPC	18C00C21D00100000	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : (0)-0,06 * SI : 0-1 * MN : 0-1 * NI : 3-10 * CR : 8-17 * CO : 4-10 * MO + W : 1-5 * FE : REST * TI + AL + ZR + U + CS + HF + CA + B : 0-2,22	
Keywords	(english)	(german)
	DAMPING	DÄMPFEND
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	PRECIPITATION-HARDENING	AUSSCHIEDUNGSH
	TURBINE	TURBINE
133	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	DE1957421 A	27.08.1970
Priority	US779609	27.11.1968
Application	DT14111969P1957421	
Applicant	CARPENTER TECHNOLOGY CORP.	
Inventor	MYERS,LEWIS/GODA JR.,KERMIT	
Title	KORROSIONSBESTAENDIGE NICHTROSTENDE STAHLLEGIERUNG	
Info		
IPC	40B00C22C039020P0	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,2 * AL + ZR + MG + SELTERD : 0-1 * MN : 0-3,5 * SI : 0-2,5 * P : 0-0,05 * S + SE : 0-0,5 * CR : 13,5-17 * NI : 4-9 * MO : 0,5-3 + W : 0,6-4,8 * CU : 0,75-3 * NB : 0-2 * TI : 0-1 * CO : 0-6 * B : 0-0,01 * V : 0-1 * TA : 0-1 * N : 0-0,1 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST

	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MACHINEABLE	ZERSPANBAR
	MARTENSITE	MARTENSIT
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
	USE	VERWENDUNG
	VALVE	VENTIL
134	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	US3574601 C	13.04.1971
Priority	US779609	27.11.1968
Application	US27111968779609	
Applicant	CARPENTER TECHNOLOGY CORP.	
Inventor	MYERS,LEWIS/GODA JR.,KERMIT	
Title	CORROSION RESISTANT ALLOY	
Info	MO*W<4,8	
IPC	40B00C22C039022Q0	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,2 * MN : 0-3,5 * SI : 0-2,5 * P : 0-0,05 * S + SE : 0-0,5 * CR : 13,5-17 * NI : 4-9 * MO : 0,5-3 + W : 0,6-4,8 * CU : 0,75-3 * NB : 0-2 * TI : 0-1 * CO : 0-6 * B : 0-0,01 * N : 0-0,1 * V + TA + AL + ZR + MG + SELTERD : 0-1 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	MACHINEABLE	ZERSPANBAR
	MARTENSITE	MARTENSIT
	PLASTIC	PLASTISCH
	TENSILE-STRENGTH	ZUGFEST
	USE	VERWENDUNG
135	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	GB1274465 C	17.05.1972
Priority	JP39414	10.06.1968
Application	GB0906196929159/69	
Applicant	HITACHI LTD.	
Inventor		
Title	PRECIPITATION HARDENING STAINLESS STEEL	
Info	CR+MO>16	
IPC	40B00C22C03804800	

Composition nr.	1	Composite component -
Composition	[weight-%]: NI : 5-10 * CR : 6-19 * NB : 0,1-3 * C : 0-0,1 * AL : 0,1-1,5 * MN : 0-1,5 * SI : 0-1,4 * FE : REST * S + P + N : 0-0,33 * MO : 0-10 * TI : 0-1	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	ELASTIC	ELASTISCH
	HARD	HART
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	PLASTIC	PLASTISCH
	PRECIPITATION-HARDENING	AUSSCHIEDUNGSH
	PRODUCTION	HERSTELLUNG
136	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	DE1758295 A	30.03.1972
Priority	US722640	19.04.1968
Application	DT08051968P1758295	
Applicant	AIR REDUCTION CO.,INC.	
Inventor	HUNT,CHARLES	
Title	EISEN-CHROM-LEGIERUNG	
Info		
IPC	40B00C22C039014K0	
Composition nr.	1	Composite component -
Composition	{weight-%}: CR : 4-40 * NI : 0-14 * PB * BI * CD * NA * K * AG * CA * MG * BA : 0-0,0006 * ZN * SB : 0-0,002 * AL : 0-6 * C * N : 0-0,06 * FE : REST * MN + SI : 0-2,22 * P + S : 0-0,33	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	FINE-GRAINED	FEINKÖRNIC
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	PLASTIC	PLASTISCH
	PRODUCTION	HERSTELLUNG
	TOUGH	ZÄH
	USE	VERWENDUNG
137	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	CH519026 C	30.03.1972
Priority	SE3528	18.03.1968

Application	CH040619688241/68	
Applicant	UDDEHOLMS AB	
Inventor	LOEVLAND,PAUL/TENGE,PER	
Title	NICHTROSTENDER,SCHWEISSBARER,MARTENSITISCHER STAHL UND VERWENDUNG DESSELBEN	
Info	MN+NI:3-12	
IPC	40B00C22C03804000	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,02 * CR : 11-15 * MO : 0-3,5 * MN : (0)-8 * NI : (0)-7 * FE : REST * B : 0-0,01 * NB : 0-0,5 * V : 0-0,5 * AL + TI : 0-1,11 * SI : 0-0,43 * N : 0-0,077	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	TURBINE	TURBINE
	USE	VERWENDUNG
	WELDABLE	SCHWEISSBAR
138	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	GB1221584 C	03.02.1971
Priority	SE3528	08.06.1967
Application	GB2805196825537-68	
Applicant	UDDEHOLMS AB	
Inventor		
Title	STAINLESS WELDABLE MARTENSITIC STEEL	
Info		
IPC	40B00C22C039020W0	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : (0)-0,02 * CR : 11-15 * MO : 0,5-3,5 * MN : 0-8 * NI : 0,6-7 * N : 0-0,6 * SI : 0-3,2 * B : 0-0,01 * NB : 0-0,5 + V : 0-0,5 + AL : 0-0,5 + TI : 0-0,5 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	FINE-GRAINED	FEINKÖRNIG
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	TENSILE-STRENGTH	ZUGFEST
	TOUGH	ZÄH
	USE	VERWENDUNG
	WELDABLE	SCHWEISSBAR

139	<i>Deutsches Patent- und Markenamt DPMA</i>	<i>12.11.2009 (16:41h)</i>
Publication	GB1217561 C	31.12.1970
Priority	US636666	08.05.1967
Application	GB0705196821578/68	
Applicant	AIR REDUCTION COMP. INC.	
Inventor		
Title	IRON BASE ALLOYS AND METHOD OF MANUFACTURE THEREOF	
Info		
IPC	C22C03914	
Composition nr.	1	Composite component -
Composition	[weight-%]: CR : 4-40 * NI : 0-14 * W : 0-2 * AL : 0-8 * MO : 0-6 * MN : 0-3 * SI * C * N : 0-3 * PB + BI + CD + NA + K + AG + CA + MG + BA : 0-0,0006 * ZN + SB : 0-0,002 * TI + V + ZR + O + S + P : 0-0,33 * FE : REST	
Keywords	(english)	(german)
	AUSTENITE	AUSTENIT
	CORROSION-RESISTING	KORROSIONSBEST
	FERRITE	FERRIT
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	PRODUCTION	HERSTELLUNG
	TOUGH	ZÄH
	WELDABLE	SCHWEISSBAR
140	<i>Deutsches Patent- und Markenamt DPMA</i>	<i>12.11.2009 (16:41h)</i>
Publication	US3355280 C	28.11.1967
Priority	US467104	25.06.1965
Application	US25061965467104	
Applicant	INTERNATIONAL NICKEL CO.,INC.	
Inventor	TUFFNELL,GLENN/SCHALLER,FRANK/YEO,RALPH	
Title	HIGH STRENGTH,MARTENSITIC STAINLESS STEEL	
Info	CR*NI<21,5*C*N<0,13	
IPC	40B00C22C03902010	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : (0)-0,12 * CR : 12-16,5 * MO : 0-1,5 * NI : 3-6,5 * N : 0-0,1 * MN : 0-1 * SI : 0-1 * AL : 0-0,15 * S + P + H + O : 0-0,33 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST

	HARD	HART
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	PLASTIC	PLASTISCH
	TENSILE-STRENGTH	ZUGFEST
	TOOL	WERKZEUG
	TOUGH	ZÄH
	USE	VERWENDUNG
	WELDABLE	SCHWEISSBAR
141	<i>Deutsches Patent- und Markenamt DPMA</i>	<i>12.11.2009 (16:41h)</i>
Publication	US3152934 C	13.10.1964
Priority	US228148	03.10.1962
Application	US03101962228148	
Applicant	ALLEGHENY LUDLUM STEEL CORP.	
Inventor	LULA,REMUS/FERREE,JOSEPH JR./HEIGHTS,NATRONA/MCCUNN,THOMAS	
Title	PROCESS FOR TREATING AUSTENITE STAINLESS STEELS	
Info		
IPC	18C00C21D00000000	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0,01-0,4 * MN : 0,05-8 * SI : 0,05-2 * CR : 8-20 * NI : 1-13 * MO : 0-4 * N : 0-0,6 * AL + V + CU : 0-4 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	HARD	HART
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	PRECIPITATION-HARDENING	AUSSCHIEDUNGSH
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
142	<i>Deutsches Patent- und Markenamt DPMA</i>	<i>12.11.2009 (16:41h)</i>
Publication	US3123468 C	03.03.1964
Priority	US39221	28.06.1960
Application	US2806196039221	
Applicant	ARMCO STEEL CORP.	
Inventor	TANCZYN,HARRY	
Title	ALLOY STEEL AND METHOD	
Info	(CR*MO)/NI:<4,5	

IPC	40B00C22C039020Z0	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0,005-0,15 * CR : 5-15 * NI : 3,5-12 * SI : 0-2 * MO : 4-12 * N : (0)-0,15 * MN : 0-2,5 * P : (0)-0,05 * S : (0)-0,05 * NB + TA : 0-0,75 * AL : 0-0,4 * CU : 0-3 * V : 0-1 * TI + ZR : 0-0,5 * B : 0-0,01 * W : 0-7 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	HARD	HART
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	HIGH-TEMPER-STRENGTH	WARMFEST
	MACHINEABLE	ZERSPANBAR
	MARTENSITE	MARTENSIT
	PLASTIC	PLASTISCH
	PRECIPITATION-HARDENING	AUSSCHIEDUNGSH
	TENSILE-STRENGTH	ZUGFEST
	WEAR/TEAR	VERSCHLEISS
	WELDABLE	SCHWEISSBAR
143	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	DE1408928 A	31.10.1968
Priority	US840876	18.09.1959
Application	DT08091960A35525	
Applicant	ALLEGHENY LUDLUM STEEL CORP.	
Inventor	LULA,REMUS/FERREE,JOSEPH JR./MCCUNN,THOMAS	
Title	VERFAHREN ZUR VERBESSERUNG MECHANISCHER UND CHEMISCHER EIGENSCHAFTEN VON AUSTENITISCHEN,ROSTFREIEN STAEBLEN	
Info		
IPC	18C00C21D00701400	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0,01-0,4 * MN : 0,05-8 * SI : 0,05-2 * CR : 8-20 * NI : 1-13 * N : (0)-0,6 * AL + MO + V + CU : (0)-4 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	PRECIPITATION-HARDENING	AUSSCHIEDUNGSH
144	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	US2736649 C	28.02.1956

Priority	US396338	04.12.1953
Application	US04121953396338	
Applicant	UNITED STATES STEEL CORP.	
Inventor	PHILLIPS,FREEMAN	
Title	FERRITIC STAINLESS STEEL	
Info	TI>10C	
IPC	40B00C22C039026Z0	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : (0)-0,03 * CR : 9-11 * TI : (0)-1 * AL : 0,02-0,3 * MN : 0,1-1 * SI : 0,1-1 * MO + NI + B + V + W : 0-5,555 * FE : REST	
Keywords	(english)	(german)
	CLADDING-MATERIAL	PLATTIERW
	CORROSION-RESISTING	KORROSIONSBEST
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	PLASTIC	PLASTISCH
	THERMAL	THERMISCH
	USE	VERWENDUNG
145	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	US2736649 C	28.02.1956
Priority	US396338	04.12.1953
Application	US04121953396338	
Applicant	UNITED STATES STEEL CORP.	
Inventor	PHILLIPS,FREEMAN	
Title	FERRITIC STAINLESS STEEL	
Info	TI>10C	
IPC	40B00C22C039026Z0	
Composition nr.	2	Composite component b
Composition	Composite material [%]: PLATTIERUNG * KERN Component a [weight-%]: GLAS : 100 Component b [weight-%]: C : (0)-0,03 * CR : 9-11 * TI : (0)-1 * AL : 0,02-0,3 * MN : 0,1-1 * SI : 0,1-1 * MO + NI + B + V + W : 0-5,555 * FE : REST	
Keywords	(english)	(german)
	CLADDING-MATERIAL	PLATTIERW
	CORROSION-RESISTING	KORROSIONSBEST
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	PLASTIC	PLASTISCH

	THERMAL	THERMISCH
	USE	VERWENDUNG
146	Deutsches Patent- und Markenamt DPMA	12.11.2009 (16:41h)
Publication	FR743179 C	25.03.1933
Priority	FR	10.12.1931
Application	FR10121931	
Applicant	COMMENTRY,FOURCHAMBAULT & DECAZEVILLE	
Inventor		
Title	PROCEDE DE DURCISSEMENT MARTENSITIQUE DES FERRONICKELS CHROMES	
Info	NI:>0,1	
IPC	40B00C22C039020G0	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-1 * NI + CO : 6,5-30 * CR : 0,5-25 * MN : 0,1-4 * W : 0-10 * MO : 0-10 * V : 0-2 * TI : 0-0,5 * ZR : 0-2 * AL : 0-20 * B : 0-5 * BE : 0-5 * SI : 0-10 * CU : 0-20 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	HARD	HART
	HEAT-RESISTANT	HITZEBEST
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	PLASTIC	PLASTISCH
	TENSILE-STRENGTH	ZUGFEST